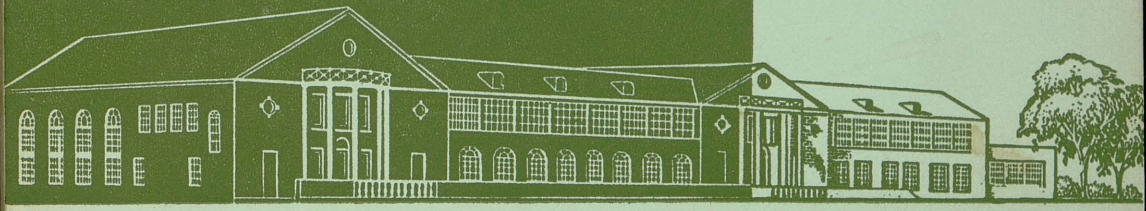
TYLER JUNIOR COLLEGE

TYLER
TEXAS



GENERAL CATALOGUE

- ★ Technology and Vocations
- ★ Arts & Sciences
- ★ Engineering - Agriculture
- ★ School of Business & Secretarial Work
- ★ Texas Eastern School of Music
- ★ Adult Evening College

A REGIONAL COLLEGE
FOR THE
GREAT EAST TEXAS
AREA

CATALOGUE
1957 - 1958
ANNOUNCEMENTS
1958 - 1959

TYLER JUNIOR COLLEGE

EAST FIFTH STREET

ANNUAL CATALOG

1957 - 1958

WITH

ANNOUNCEMENTS FOR

1958 - 1959

TYLER, TEXAS

GENERAL COLLEGE CALENDAR 1958 - 1959

ADVANCE REGISTRATION

The Administrative Offices are open throughout the summer for advance registration. Thorough and leisurely counseling is available on degree plans and technical courses and vocations. Students may come from 8 a. m. until 3 p. m. Mondays through Fridays.

FALL SEMESTER, 1958

September 3, 4, 5	Final Registration and Orientation
September 8	Classes Begin
November 27, 28	Thanksgiving Holidays
December 22	First Christmas Holiday
January 5	Classes Resumed
January 13-20	Fall semester final examinations

SPRING SEMESTER, 1959

January 21, 22, 23	Registration for Spring Semester
January 26	Classes Begin
March 27	Easter Holiday
May 19-26	Final Examinations
May 22	Baccalaureate Service
May 29	Commencement

SUMMER SESSION, 1959

June 1, 2, 3	Registration
June 4	Classes Begin
July 16	First Term Ends
July 17	Registration for second term
July 20	Classes begin
August 28	Second term ends

BOARD OF TRUSTEES

Watson W. Wise ..... President

A. D. Clark, Jr. ..... First Vice-President

Cecil Bagwell ..... Second Vice-President

Ava Lea Gentry ..... Secretary

Dr. Jim M. Vaughn P. C. Pinkerton J. Paul Price

Hubert Tunnell Ira Hildebrand

George Pirtle Homer W. Eikner

ADMINISTRATION

Harry E. Jenkins, Ph.D. ..... President

Edward M. Potter, M.A., LL.D. ..... Dean

Richard Barrett, M. B. A. ..... Business Manager

Edwin Fowler, B.A. ..... Registrar

Forest Griffin, M.S. ..... Director of Technical and Vocational Education

Joseph Kirshbaum, Mus.M. ..... Director, School of Music

Irving L. Friedman ..... Director of Evening College and Distributive Education

Elizabeth Bryarly, M.A. ..... Dean of Women

Troy Smith, LL.B. ..... Attorney

FACULTY

Harry E. Jenkins ..... President
B.S., Kansas State Teachers College; M. A., The University of Missouri; Ph.D., The University of Texas.

Edward M. Potter ..... Dean
B.A., The University of Texas; M.A., The University of Texas; LL.D., East Texas Baptist College.

Johnny Abbey ..... Business
B.B.A., The University of Texas; M.B.A., The University of Texas.

W. H. Acker ..... English
B.S., East Texas State College, M.A., Southern Methodist University.

Prudence Arnold ..... Physical Education
B.S., North Texas State College.

Drucilla Bain ..... Art
A.B., Georgetown College.

James F. Barnes ..... Government, Economics
B.A., Mississippi College; M.A., The University of Mississippi.

Richard Barrett ..... Business Manager, Business Administration
B.B.A., East Texas State College; M.B.A., Agricultural and Mechanical College of Texas.

Floyd G. Betts, Jr. ..... X-Ray Technology
B.S., Southwestern University; M.D., The University of Texas.

Jack W. Betts ..... Engineering Drawing, Drafting
B.S., East Texas State College; M.Ed., East Texas State College.

Lawrence Birdsong, Jr. ..... Speech, Drama
B.A., Baylor University.

Gene Blakely ..... Business Administration
B.B.A., North Texas State College.

A. L. Blanton ..... English
B.S., M.S., Stephen F. Austin State College.

Lucille Broach ..... English
B.A., M.A., Southern Methodist University.

Jean Browne ..... Speech
B.A., Mt. Holyoke College, B.A., Carnegie Institute of Technology, M.F.A., The University of Texas, Ph.D., State University of Iowa.

B. T. Bryant ..... Physics, Engineering
B.S., M.S., East Texas State College.

Elizabeth Bryarly ..... Dean of Women, English
B.A., Baylor University; M.A., The University of Texas.

Louise Clinkscales ..... Business
B.B.A., Baylor University.

John W. Cooke ..... Engineering Drawing
B.S., M.S., Agricultural and Mechanical College of Texas.

Paul Cox ..... Music
B.M., M.M., Northwestern University.

Herman L. Crow ..... History
B.S., M.S., North Texas State College.

Sister Mary Consilia, R. T. ..... X-Ray Techniques
St. Mary's Hospital.

David Donovan ..... Air-Conditioning
Technical Expert.

Carl D. Dowdy ..... Radio-Television
Master Electrician and Electronics Expert.

H. E. Eyley ..... Psychiatry
A.B., M.A., Texas Christian University.

J. J. Faust ..... X-Ray Technology
A.B., Hendrix College; B.S., The University of Arkansas; M.D. The University of Arkansas.

FACULTY (Continued)

Ben Ferrell ..... Business Law, Government
B.B.A., L.L.B., Baylor University.

Pinckney Ferrell ..... Music
B.M., St. Louis Institute of Music.

Frances Flaherty ..... Business
B.S., Texas State College for Women.

Ethelwyn Foman ..... Librarian
B.A., Stephen F. Austin College; B.S. in Library Science, East Texas State College.

Edwin Fowler ..... Registrar, Psychology, Sociology
B.A., Baylor University.

Irving L. Friedman ..... Distributive Education
Distributive Education Certificate.

John H. Garner ..... Mathematics
B.S., M.S., Texas Technological College.

Alice M. Geiger ..... Typing
B.S., M.Ed., East Texas State College.

Theo Goolsby ..... Mathematics
B.S., M.S., East Texas State College.

Paul Grier ..... French, Spanish
B.A., Erskine College, M.A., Emory University

Averille Greenhaw ..... Home Economics
B.S., Agricultural and Mechanical College of Oklahoma.

Forest Griffin ..... Vocational Education
B.S., East Texas State College; M.S., East Texas State College.

Francis L. Haley ..... Geology
B.A., University of Maine; M.S., Florida State University.

James Fife ..... Director Church of Christ Bible Chair
B.A., Abilene Christian College.

John Hall ..... Pharmacology
Th.G., Denver University.

James L. Hallmark ..... Assistant Director of Physical Education
B.S., Agricultural and Mechanical College of Texas; M.A., Stephen F. Austin State College.

J. C. Henderson ..... Biology, Chemistry
B.A., Rice Institute; M.A., The University of California.

Mary Hickman ..... X-Ray Technology
R.T., Mother Frances Hospital School for X-Ray Technicians.

Richard A. Hill ..... Accounting
A.B., M.A., Woodstock College; M.B.A., Seton Hall University.

Charles M. Hix, Jr. ..... Physics
B.S., M.S., Agricultural and Mechanical College of Texas.

John R. Hunter ..... Music
B.S., University of Alabama, M.A., Teachers College, Columbia University.

Wiley W. Jenkins ..... History, Government
B.A., The University of Mississippi; Ph.D., The University of Texas.

Charles Jones ..... History
B.S., M.S., North Texas State College.

Mildred Kincaid ..... Nursing
Registered Nurse.

Joseph Kirshbaum ..... Music
Mus.B., Yale University; Mus.M., Yale University.

Gertrude Kirshbaum ..... Music
Diploma in Music, Yale University.

James N. Lewis ..... Government, Economics
B.S., North Texas State College.

FACULTY (Continued)

James Liles ..... Business English
B.B.A., M.B.A., East Texas State College.

Doris Meadows ..... Nursing
Registered Nurse.

Harold W. Mason ..... Traffic Management
Technical Expert.

Paul Miller ..... Auto Maintenance
Technical Expert.

Hubert L. Mills ..... History, English
B.A., M.A., Rice Institute.

Duane Monigold ..... Automobile Body Repair
Technical Expert.

J. P. Mullowney ..... Applied Laboratory Techniques
B.S., Loyola University; M.D., Loyola University.

James R. Murray, Jr. ..... English
B.A., Baylor University; M.A., The University of Texas.

David Pena ..... Surveying
Licensed Civil Engineer and Land Surveyor.

Clarence M. Petty ..... Industrial Petroleum Chemistry
B.S., Baylor University.

Charles D. Pickens, Jr. ..... Real Estate
B.B.A., Texas Technological College.

Ray Pickering ..... X-Ray Technology
R.T., St. Paul's Hospital, Dallas, Texas.

Myra Potter ..... Art
B.S., Texas State College for Women.

Blanche Prejean ..... English, Journalism
B.A., Texas Wesleyan College; M.A., Stephen F. Austin State College.

Eulah Pullen, R.N. ..... Nursing
B.S., M.Ed., The University of Houston.

Lewis R. Pummer ..... Nursing
M.D., Marquette University.

Arthur M. Pry ..... Bible
B.A., Southwestern University; B.D., Yale University.

Allen E. Pye ..... Insurance and Business Law
L.L.B., Southern Methodist University.

Ib Rice ..... Agriculture
B.S., Agricultural and Mechanical College of Texas.

Theresa Ricketts ..... Pharmacology
Ph.C., Tulane University.

Herbert Richardson ..... Physical Education
B.S., The University of Houston.

Ida Belle Riddle, R. N. ..... Nursing
B.S., The University of Houston.

Ernest Roberts ..... Psychology
M.S., East Texas State College.

George M. Robinson ..... Petroleum Techology
Professional Petroleum Production Expert.

Agnes Roy, R. N. ..... Nursing
B.S., The University of Houston.

Leo Rudd ..... Religion, Baptist Bible Chair
B.A., William Jewell College.

Thelma Saba ..... Nursing
Registered Nurse.

John B. Saleh, Jr. ..... Business Administration
B.B.A., East Texas State College, M.B.A., North Texas State College.

FACULTY (Continued)

Isaac C. Sanders ..... Physics
B.A., Rice Institute; M.A., The University of Texas.

Joseph Selman ..... X-Ray Physics
B.S., Rensselaer Polytechnic Institute; M.D., Western Reserve Medical School.

Richard Schaefer ..... Electrician Apprentices
Technician.

Ermie Jean Shirley ..... English
B.A., Mississippi College; M. A., Baylor University.

Walter Smith ..... Radio-Television
FCC Licensed Radio - Television Engineer.

Sammie Smyrl ..... Mathematics
B.A., East Texas State College, M.A., The University of Texas

Etta M. Spivey ..... English, Business
B.S., Mary Washington College.

Marshall Spivey ..... Oil and Gas Law
B.S., Agricultural and Mechanical College of Texas, L.L.B., The University of Texas.

George Stiles ..... Biological Science
B.S., Sam Houston State College; M. A., Colorado State College of Education.

Mary Stephenson, R. N. ..... Nursing
B.S., The University of Houston.

Ethel Stokes ..... Assistant Librarian

Mildred Stringer ..... Counselor
B.S., East Texas State College.

James M. Taylor ..... Shorthand
B.A., The University of Texas, M.S., North Texas State College.

George Tuttle ..... Shorthand
B.A., Austin College, M.A., East Texas State College.

J. W. Tyner ..... Business Law
B.B.A., L.L.B., Baylor University.

Keith C. Vinson ..... Auto Maintenance
Technical Expert.

Floyd Wagstaff ..... Director of Physical Education
B.S., Stephen F. Austin State College; M.A., North Texas State College.

Mary Yeager Wallace ..... Education, English
B.A., Hardin-Simmons University; M.A., The University of Texas

Charles Welch ..... Geological Drafting
Professional Geological Draftsman.

Mabel Williams ..... Mathematics
B.A., The University of Texas; M.A., The University of Texas.

P. D. Wilmeth ..... Bible
B.A., Abilene Christian College, M.A., Columbia University.

Mary Wood ..... Government, History
B.A., M.A., Baylor University.

Oscar Zeigler ..... Music
Artist Diploma, Geneva Conservatory of Music.

TYLER JUNIOR COLLEGE

EAST FIFTH STREET

TYLER, TEXAS

★

The History of Tyler Junior College

The Tyler Junior College was established in 1926. The year 1958-59 will be the thirty-third year of the college. Thousands of young men and women have attended the college because of its high standards, its convenience, and the economy of remaining at home while doing college work.

The Tyler Junior College is operated by the Tyler Junior College District, which has powers and privileges similar to those of an independent public school district.

On November 13, 1945, the voters established an independent Tyler Junior College District, voted a tax levy to support the college, and authorized a bond issue for the expansion and improvement of the institution. Through the bond issue and contributions by many leading citizens, the erection of an entirely new plant of six modern buildings has now been completed. On April 16, 1955, the voters of the district authorized a bond issue for the erection of a new modern Fine Arts-Auditorium building which was opened in September, 1956. In 1957 the Student Center Building was expanded by the addition of a new wing.

The construction of two dormitories will begin in May 1958.

A program to enlarge the territory of the Tyler Junior College District is in progress. Already eight districts have voted to become a part of the Tyler Junior College District and receive all the benefits of the college for their students. These eight districts which, in addition to the city of Tyler, now compose the Tyler Junior College District are:

The Winona Consolidated Rural High School District No. 67.
The Chapel Hill Independent School District.
The Lindale Independent School District.
The Rice Consolidated Common School District No. 13.
The Dixie Rural High School District No. 5.
The Swan Consolidated Common School District No. 60.
The Pine Springs Common School District No. 48.
Flint Common School District No. 18.

The enlargement of the district makes possible an extended service by Tyler Junior College and reduces the cost of attending college for those students whose residence is in the Tyler Junior College District.

Students residing in the Tyler Junior College District are entitled to priority in enrollment. Others will be admitted if faculty and building facilities are sufficient. The college reserves the right to limit the enrollment of students residing outside the Tyler Junior College District whenever, in its judgment, facilities are not available for additional students.

The tuition rate charged such non-resident students is subject to increase without prior notice.

Objectives Of The College

The course of study is intended to meet the needs of students who expect to take four years of college work, of those who intend to enter professional schools, and those who are preparing to begin life's work after completing a year or more in college. An equally important function of the Tyler Junior College is an adult education program which meets the needs of the area.

Accrediting and Affiliation of the College

The Tyler Junior College is a member of the Association of Colleges and Secondary Schools for the Southern States, the Texas Association of Colleges, and the Texas Association of Music Schools.

Membership in these accrediting associations makes possible the transfer of credit work done in Tyler Junior College to other colleges and universities.

Transfer To Other Institutions

Since colleges differ in their curricula, a student should secure the catalogue of the institution to which he intends to transfer credit. Courses for his first two years should be planned in accordance with the degree plan of the institution to which he will transfer.

Library

An excellent reference library consisting of more than 10,000 volumes is housed in the main college building, where a beautiful reading room is available for student use. Here the college also maintains a listening nook where the student may listen to musical, dramatic, and literary recordings.

SCHOLARSHIPS AND AWARDS

The Honor Graduate Scholarship

The highest honor graduate of any affiliated high school is given a scholarship covering his tuition. This scholarship must be used within one year from the date of graduation.

The A. A. U. W. Loan Fund

The Tyler Branch of American Association of University Women provides a loan of $150 per year to a deserving young woman who is a graduate of any high school in Smith County and who pursues her studies in Tyler Junior College. Application should be made to the principal of the high school.

The Epsilon Sigma Alpha Scholarship

The Epsilon Sigma Alpha Sorority of Tyler provides a $50.00 scholarship based upon scholarship and need.

The Coterie Club

The Coterie Club, composed of musicians and music lovers, has established a scholarship which is awarded annually to a student who shows outstanding talent in music.

The Wilton Fair Endowment

Mr. and Mrs. Wilton Fair have established an endowment which is used each year for scholarships and similar purposes.

This endowment consists of the revenue from certain valuable oil properties deeded to the college by Mr. and Mrs. Wilton Fair. Mr. Fair, a former member of the Board of Trustees of Tyler Junior College and one of its most active supporters, and Mrs. Fair established this fund in 1952.

The Pirtle Scholarship in Science and Engineering

Through the generosity of Mr. and Mrs. George Pirtle an annual scholarship of five hundred dollars is bestowed upon a graduating student majoring in engineering or a physical science.

The Texas Society of Professional Engineers Scholarship in Mathematics, Science or Engineering

The Texas Society of Professional Engineers has established a five hundred dollar scholarship to be made to a graduating Tyler Junior College man or woman who plans to continue study leading to a degree in engineering, chemistry, geology, physics, or mathematics.

The scholarship is awarded on a competitive basis determined by scholarship, character, and need.

The Mary Wallace Education Scholarship

Mr. Emmitt Williams, a former student, has established a $100 scholarship for a second year student preparing for the teaching profession. The recipient must be of good character, pleasing personality, hold at least a B average in two semesters work and need scholarship aid.

The Golden Gloves Scholarships

In 1957, Mr. Harold Lawler, a former student of the college and state Golden Gloves Champion, established an annual two-year tuition scholarship for the best all-around high school senior in the Tyler Golden Gloves Regional Tournament.

Four more two-year Golden Gloves Scholarships have been added by the Butler Publishing Company, Gilbert Reeves, Gulf Products Distributor, the Tyler Optimist Club and by an anonymous donor.

The New Century Club Scholarship Loan

A one hundred dollar scholarship loan for girls.

The En Avant Club

The En Avant Club, a group of civic-minded young ladies, annaully provides a scholarship to some young woman through its loan fund.

The Barbee-Chapel Hill High School Scholarship

Through the generosity of Mr. Wallace Barbee, an ex-student of Tyler Junior College, an annual tuition scholarship has been set up to be awarded to the Chapel-Hill High School senior voted the most likely to succeed.

The Swanson Award

A prize of $100 is awarded by former Representative F. G. Swanson for an essay contest concerning a subject in the field of government.

The Laura Greer Scholarship

The Third District of the Texas Federation of Women's Clubs has established this scholarship in honor of Mrs. Laura Greer, Past President of the Third District. The amount of $100 is awarded annually under the rules prescribed by the Federated Club Committee.

1. The award is made to a second-year student, man or woman, majoring in government.
2. Personal qualities are:
   (a) The Student must be worthy.
   (b) The student must rate high in scholarship.
   (c) The student must show a sustained interest in good government

The Optimist Club Oratorical Scholarship

The Optimist Club of Tyler has established a $100 scholarship in Tyler Junior College for the winner of the annual oratorical contest.

The Vaughn Foundation Loan Fund

Through the Vaughn Foundation, Dr. Edgar H. Vaughn, a public spirited friend of Tyler Junior College, has set up a student loan fund. Any worthy full-time student approved by the faculty scholarship committee is eligible for a loan free of interest until graduation in his chosen field.

The T. B. Butler Journalism Key

The T. B. Butler Publishing Company of Tyler annually presents a gold key to the outstanding Journalism student of the college.

The Watson W. Wise Incentive Award

An endowment fund established by the Honorable Watson W. Wise, President of the Board of Trustees of the college, who has made many generous gifts to the college, provides an annual sum for a beautiful trophy cup awarded to the student chosen by a faculty committee as best exemplifying the virtues of industry, scholarship, and student activity.

The Henry King Kiwanis Scholarship

Through the generosity of Mr. Henry King, the Tyler Kiwanis Club annually provides a scholarship of up to one hundred fifty dollars. It is granted to a Smith County young man on the basis of ability and need.

The D. A. R. History Scholarship

The Mary Tyler Chapter of the Daughters of American Revolution awards a $100 sophomore scholarship annually to an outstanding freshman student planning to major in history.

Texas Law Enforcement Foundation Scholarships

The Texas Law Enforcement Foundation makes available scholarships for sons and daughters of deceased law enforcement officials. Application blanks may be obtained from the Foundation Office, P. O. Box 912, Austin, Texas.

VOCATIONAL REHABILITATION

The State Board of Vocational Education, through the Vocational Rehabilitation Division, offers assistance for tuition to students who have physical disabilities, provided the vocational objective selected by the disabled person has been approved by a representative of the Division. Application for Vocational Rehabilitation assistance should be made to the Rehabilitation office, Box 2034, Longview, Texas, or to the Director of Vocational Rehabilitation, Texas Education Agency, Austin, Texas.

STUDENT INFORMATION

Student Load

Except by special permission from the Dean, a student will not be permitted to register for fewer than four or more than five courses.

Tuition and Fees

Tuition rates in Tyler Junior College are low, since the college is partially supported by the State of Texas. Tuition is due in full at the beginning of the semester. Any other plan must be by special arrangement with the Business Manager.

Tuition per semester is as follows:

	Tuition Per Semester
Residents of the TJC District:	
For three or more subjects	$50.00
For two subjects	35.00
For one subject	17.50
Non-Residents of the TJC District:	
For three or more subjects	$60.00
For two subjects	35.00
For one subject	17.50

Technical, vocational and terminal courses—see special announcements of these courses for rates. Page 43.

Music Fees Per Semester—Individual Lessons

	Regular Students Who Enroll for 12 Sem. Hours or More		Special Students Who Enroll for Music Only	
	One 30-min. Lesson Per Week	Two 30-min. Lessons Per Week	One 30 min. Lesson Per Week	Two 30-Min. Lessons Per Week
Piano	$54.00	$75.00	$72.00*	$126.00*
Voice	54.00	75.00	72.00*	126.00*
Violin, Violincello	54.00	75.00	72.00*	126.00*
Harp	54.00	75.00	72.00*	126.00*
Organ	54.00	75.00	72.00*	126.00*
Clarinet	54.00	75.00	72.00*	126.00*

Piano Pedagogy (one two-hour session per week)	$30.00
Voice Diction (one hour per week)	18.00
Practice Room (four hours per week)	4.00

* Includes $17.50 tuition plus special music fee.

Graduation Fees

A cap and gown fee of $3.00 and a diploma fee of $3.00 are paid by students at the time of graduation.

Non-Resident Tuition

Students whose residence is outside the State of Texas, and who are thereby classified as non-resident students according to the definition provided by House Bill 507 (enacted by the Fiftieth Legislature of the State of Texas,) are charged a non-resident tuition of $200.00 per semester for a full student load of twelve hours or more in accordance with the provisions of House Bill 507. The non-resident fee is subject to change without notice.

For less than twelve semester hours the non-resident rate is $25.00 per semester hour, with a minimum of $25.00.

Refund Policy

During the regular session (fall and spring semesters) the tuition charge for withdrawals effected during the first two weeks of classes is 20 per cent of the regular tuition fee. The tuition charge for withdrawals effected during the third week of the semester is 40 per cent of the total, 60 per cent during the fourth week, 80 per cent during the fifth week, and 100 per cent after the fifth week.

Attendance

Regular class attendance is fundamental for the success of the student; therefore a student must report promptly and regularly to all classes. Excessive absence will be cause for dropping the student from the rolls.

•

ACTIVITIES

The Tyler Junior College provides various types of student activities which furnish training in leadership, afford opportunities for diversion, and serve as a means of student development. Among these activities are the following:

The Apache

The Apache is the college yearbook. It is an outstanding publication edited and published by a student staff.

The Apache Band

The famous Apache Band is the official college band, open to all qualified students.

The Pow-Wow

The Pow-Wow, the official college newspaper, is prepared and managed by a student staff under the direction of faculty sponsors. Students act as reporters, editors, and business managers of this publication. The paper is furnished free to students.

The Apache Belles

The internationally famous Apache Belles is a uniformed women's organization which presents skilled group performances and routines at football games, and on other occasions.

Throughout the year special study is given to good taste in clothing, make-up, manners and general personal improvement.

Athletics

The college schedules inter-collegiate games in football, basketball. A complete physical education program provides opportunity for participation by both men and women in numerous sports.

The Atta Kula Kula

This traditional organization of the women of the college provides a general program of recreation, entertainment, instruction and social activity for all women interested in membership. For the past ten years Mr. and Mrs. D. K. Caldwell have provided a dinner for all members of the organization.

The College Choir

The College Choir is a choral society open to capable students interested in vocal music.

Debate

Students who are interested in working with debate comprise the Debate Squad. The chief work of the club is research and actual debating on the current debate topic of the Texas Junior College Speech Association.

The Engineers' Club

This club is composed of students interested in all fields of engineering. Various field trips are taken to indicate the future possibilities of the different branches of the engineering profession.

Sigma Sigma

This organization consists of students preparing to enter the business vocations, such as secretarial and clerical. It provides helpful guidance to the members of the club, as well as pleasant social activities.

The Future Teachers Association

The Future Teachers Association has as its purpose the promotion of a better understanding of the teaching profession. Its membership is composed of those whose objective is to enter the profession.

Las Mascaras Dramatic Club

Las Mascaras fosters an interest in all phases of dramatic art. Any student in Junior College who is interested in dramatics is eligible for membership. Las Mascaras sponsors major productions each year.

Phi Theta Kappa

The Alpha Omicron Chapter of Phi Theta Kappa, the national Junior College scholastic fraternity, is composed of members selected on the basis of scholarship, character, leadership and service. Its membership is restricted to ten per cent of the students enrolled in the Tyler Junior College, and the faculty and local chapter name as members those students meriting special honor.

Social Activities

The social activities of the college include at least one general social event each college month. The parties, dances, and other social affairs are under the direction and management of the Student Council and a faculty committee.

The Student Council

The Student Council is the official organization for student government.

The Dean's List

To promote high standards of scholarship, the college has established an honor roll called the Dean's List. Ten honor points are necessary for eligibility. The grade of A carries three honor points; the grade of B, two; and the grade of C, one. The student must be enrolled in at least four courses and no grade may be less than C.

Guidance and Counseling

The college offers an extensive program in testing, guidance and counseling, under the supervision of the Director of Guidance and Counseling. All beginning freshmen in the Academic, Music, Nursing, and Business Schools are required to take a series of standardized tests which serve as a basis for future counseling.

Faculty members, skilled in interpreting the test results, are available to aid students in selecting major fields of work and to guide them in a satisfactory adjustment to college life.

Requirements For Admission

Registration

Registration for the fall semester begins in June and continues daily throughout the summer. In this system the student is assured of thorough and leisurely counseling on the many available degree plans.

Students will avoid delay in registering by sending a transcript of credits from the high school or college last attended.

1. For Admission Without Condition

For full admission to academic or business courses, graduation from a standard high school with at least fifteen units of high school credit, including three units in English, is required. The elective units must be chosen from the list approved by the Texas Education Agency.

2. Admission by Examination

Students who are not graduates of a high school may absolve the deficiency by taking examinations.

Requirements For Graduation

The college awards the Associate degree in the fields of liberal arts, business administration, engineering and science to those who complete the requirements as set forth for the particular degree desired and who make proper application to the Registrar for that degree.

Associate In Arts Degree

Students who complete specified liberal arts or pre-professional requirements for graduation receive the Associate in Arts Degree. Students must complete sixty semester hours of work (exclusive of physical training) with an average grade of at least C.

The sixty semester hours should include twelve hours in English, six in United States History, six in government, and at least fifteen hours of sophomore rank; however, the degree will be granted to any student completing any required sixty hours of a baccalaureate degree plan, provided Government 213-223 and United States History 213-223 are included and the general average is at least C.

At least fifteen semester hours must be completed at Tyler Junior College.

Students who graduate are required to attend the commencement exercises unless excused.

Associate-In-Business Administration Degree

The degree of Associate in Business Administration is conferred upon students who complete a mimimum of sixty semester hours (exclusive of physical training) combining liberal arts with a concentration of secretarial and business administration courses, provided a minimum of a "C" average is maintained and six hours each are completed in English, United States History and Government.

Associate In Engineering Degree

The degree of Associate in Engineering is conferred upon students who complete, with a minimum of "C' average, a total of sixty hours (exclusive of physical training) in required concentrations in technological fields such as Electronics, Surveying, Drafting or Petroleum Technology and provided six hours each are completed in English, United States History and Government.

Associate In Science Degree

The degree of Associate in Science is conferred upon students who complete a minimum of sixty semester hours (exclusive of physical training) combining liberal arts with certain technical courses. An average of at least C must be attained. Government 213-223, six hours of United States History and six hours of English must be completed.

The degree is granted in laboratory technology and nursing arts.

Proficiency Certificates

Students who satisfactorily complete courses of a vocational nature will be awarded certificates of proficiency.

Students who satisfactorily complete technological courses without taking liberal arts courses for a degree will be awarded certificates of proficiency.

Explanation of Hours, Courses, Numbering and Credit

One semester hour represents one class hour per week for four and a half months; for example, one course meeting three hours a week for nine months carries credit of six semester hours.

Courses are numbered as follows (except in nursing): The first digit of the number indicates the college year in which the course is taken; the second digit in the number indicates the semester of the year in which the course is taken; the final digit indicates the credit value of the course in semester hours; thus, English 123 indicates that the course is the first year, second semester English with a credit value of three semester hours. The addition of a lower case letter indicates that the course is taught in two or more divisions. The letter S indicates a summer school six weeks course.

All descriptive titles of courses are followed by two numbers in parenthesis. The first of these numbers gives the number of class meetings each week while the second number gives the number of hours of laboratory each week. For example, the notation (3-2) indicates that a course has three class meetings and two hours of laboratory weekly.

Prerequisite Courses

The description of each course includes a specification of prerequisite courses, if any.

Withdrawal of Courses

A course may be withdrawn unless it is elected by a sufficient number of students. In general, a course will not be given for fewer than eight students.

Dropping Courses

No student may withdraw from any course he has entered except by permission of the Dean or Registrar. A student dropping a course without permission will be given a grade of Q on the course. Proper forms for officially dropping a course are obtained from the Registrar.

Grades and Reports

Students' grades in all courses are filed in the office of the Registrar, and the records are the official records of the college. Students or parents will receive marks every nine weeks. A final grade will be reported at the close of each semester. The standing of the student in each course is determined by his daily performance and by regular examinations. Adequate preparation is expected of each student. Two hours is considered a reasonable amount of time for average students to spend in preparation for each hour of class work.

Students' grades may be interpreted as follows:

A	Excellent	
B	Good	
C	Average	
D	Poor	
E	Conditional*	
F	Failure	
I	Incomplete‡	
X		Official drop while passing
XF		Official drop while failing
Q		Unofficial drop
W		Official withdrawal from college while passing
WF		Official withdrawal from college while failing

* A student making E will be permitted to remove the condition by a second examination within a semester.

‡ An incomplete must be made up within the following semester. After this time it is changed to F.

SUGGESTED COURSES OF STUDY FOR FRESHMEN**

The following plans are a few of the most popular fields and do not indicate that others cannot be taken. College officials will gladly work out degree programs in any desired field.

Since college plans differ, the student should check his course by the catalogue of the college to which he intends to transfer or request the Registrar to assist him in doing so.

Agriculture

(Texas A. & M. Plan. Special course plans for other institutions will be arranged.)

SUBJECT	CREDIT
English	6 semester hours
Chemistry	8 semester hours
Algebra	3 semester hours
Biology 113-A	3 semester hours
Agriculture	6 semester hours
United States History	6 semester hours
Psychology 111	1 semester hour

Bachelor of Arts or Bachelor of Science Degree

English	6 semester hours
Mathematics	6 semester hours
United States History	6 semester hours
Natural Science	6 or 8 semester hours
Foreign Language	8 semester hours
Psychology 111	1 semester hour

Bachelor of Business Administration

(General Plan)

Mathematics	6 semester hours
English	6 semester hours
Natural Science	6 or 8 semester hours
Speech	3 semester hours
United States History	6 semester hours
Typewriting (non-credit)	0 semester hours
Elective	3 semester hours
Psychology 111	1 semester hour

*Depending upon senior college choice.

**Freshmen men are required to take Physical Education 111-121.

Dentistry

English	6 semester hours
Chemistry	8 semester hours
Biology	8 semester hours
United States History	6 semester hours
Elective	3 semester hours
Psychology 111	1 semester hour

Elementary Education Major**

English	6 semester hours
Education	6 semester hours
United States History	6 semester hours
General Biology	8 semester hours
Music or Art	6 semester hours
Psychology 111	1 semester hour

** Students on University of Texas degree plans should take note of their mathematics and foreign language requirements.

Secondary Education Major

The plan is the same as the above except Music or Art is not required unless the student plans to major in one of these fields. Others should substitute subjects in the chosen major fields for Music or Art.

Engineering*

English	3 semester hours
Chemistry	8 semester hours
Engineering Drawing	3 semester hours
Descriptive Geometry	3 semester hours
Algebra	3 semester hours
Trigonometry	3 semester hours
Analytic Geometry	3 semester hours
Physics 124-A	4 semester hours
Calculus	3 semester hours
Psychology 111	1 semester hour

Forestry

English	6 semester hours
Algebra	3 semester hours
Biology	8 semester hours
Trigonometry	3 semester hours
Engineering Drawing	3 semester hours
Descriptive Geometry	3 semester hours
United States History	6 semester hours
Psychology 111	1 semester hour

Geology
University of Texas

English	6 semester hours
Geology	8 semester hours
Mathematics	6 semester hours
Chemistry	8 semester hours
Foreign Language or Physics	8 semester hours
Psychology 111	1 semester hour

*Note—Deficiencies in high school mathematics or science may be made up in the College, but the normal schedule must be reduced.

Geology
Texas A. & M.

English	6 semester hours
Chemistry	8 semester hours
Trigonometry	3 semester hours
Algebra	3 semester hours
Analytic Geometry	3 semester hours
Geology 114	4 semester hours
Geology 124	4 semester hours

Home Economics

English	6 semester hours
Chemistry	6 or 8 semester hours
Home Economics	6 semester hours
Education	6 semester hours
United States History	6 semester hours
Psychology 111	1 semester hour

Law

United States History	6 semester hours
English	6 semester hours
Natural Science	8 semester hours
Mathematics	6 semester hours
Public Speaking	6 semester hours
Psychology 111	1 semester hour
Typewriting (non-credit, if taking the Business Administration Plan)	0 semester hours

Medicine

English	6 semester hours
Chemistry	8 semester hours
Algebra	3 semester hours
Trigonometry*	3 semester hours
United States History	6 semester hours
Biology	8 semester hours
Psychology 111	1 semester hour

*Unless taken in high school and surplus units offered for college admission in which case Algebra 113-A and Analytic Geometry are required.

Pre-Nursing Baccalaureate Degree Plan

English	6 semester hours
United States History	6 semester hours
Biology or Chemistry	8 semester hours
Mathematics	6 semester hours
Elective	6 semester hours
Psychology 111	1 semester hour

Optometry

English	6 semester hours
Physics	8 semester hours
Chemistry	8 semester hours
Biology	8 semester hours
Mathematics	6 semester hours
Psychology 111	1 semester hour

Pharmacy

English	6 semester hours
Biology	8 semester hours
Physics	8 semester hours
Chemistry	8 semester hours
United States History	6 semester hours
Psychology 111	1 semester hour

Journalism

English	6 semester hours
Natural Science	6 or 8 semester hours
Foreign Language	8 semester hours
Mathematcis	3 semester hours
Journalism	3 semester hours
United States History	6 semester hours
Psychology 111	1 semester hour

Laboratory Technology

Designed to meet the particular needs of the medical profession in the East Texas Area, this two-year course as outlined not only enables the trainee to perform laboratory technician duties but also those of a medical secretary. The course is taught in cooperation with Mother Frances Hospital. Completion of a third year qualifies the student for examination leading to registry as a licensed laboratory technician.

Associate In Science In Laboratory Technology (Medical Secretary Option)

First Semester	Second Semester
1. English 113	1. English 123
2. Chemistry 114	2. Chemistry 124
3. General Biology 114	3. Biology 124
4. Anatomy and Physiology 114-A	4. Elective
5. Microbiology 113	5. Applied Techniques 114*
6. Psychology 111	
Third Semester	**Fourth Semester**
1. Chemistry 214	1. Chemistry 224
2. Applied Techniques 124*	2. Applied Techiniques 213*
3. Government 213	3. Government 223
4. Shorthand 113	4. Shorthand 123
5. History 213	5. History 223
6. Typing (non-credit)	6. Typing (non-credit)

* Courses taken at Medical Center and Mother Frances Hospitals.

X-Ray Technology

To meet the growing demand for specialized trainees in X-Ray Technology, the Tyler Junior College offers in cooperation with the Mother Frances Hospital a one-year program in this field.

Since the program is approved by the American Medical Association, graduates are eligible to take examinations for registry.

One Year Certificate

Physics 114	X-Ray Physics 122**	X-Ray Techniques**
Algebra 113-C	Biology 112**	Psychology 111
English 113		

**Courses taken at Mother Frances Hospital.

Professional Nursing

The Tyler Junior College cooperates with the Texas Eastern School of Nursing by teaching under contract the first two nine-month academic years of the required three-year course of study leading to eligibility to take the State examinations for registration as a professional nurse with the title of R. N.

After the required course in Tyler Junior College, the student completes the summers and third year in the Texas Eastern School of Nursing, an independent, incorporated State-approved nursing school in Tyler.

The following is the curriculum for the first two academic years as taught in Tyler Junior College:

First Year—First Semester:

English 113	3 semester hours
Biology 113B	3 semester hours
Chemistry 113	3 semester hours
Biology 113	3 semester hours
Nursing 113	3 semester hours
Psychology 111	1 semester hour

First Year—Second Semester:

English 123	3 semester hours
Biology 123B	3 semester hours
Nursing 123	3 semester hours
Chemistry 123	3 semester hours
Pharmacology 113	3 semester hours
Home Economics 123C	3 semester hours

First Year—Summer Term:

Nursing 111S	1 semester hour
Nursing 213S	3 semester hours
Nursing 121A	1 semester hour
Nursing 121	1 semester hour

Second Year—First Semester:

Nursing 213F	3 semester hours
Nursing 223F	3 semester hours
Sociology 213	3 semester hours
Nursing 223E*	3 semester hours
Psychology 213	3 semester hours

Second Year—Second Semester:

Nursing 223E**	3 semester hours
Nursing 223	3 semester hours

*One half of the class takes the course the first semester.

**Remaining half of class takes the course the second semester.

Nurse Technician Program

For State Tuberculosis Hospital Nursing

In cooperation with the Texas State Hospital System the Tyler Junior College offers a two-year course of study for the training of Nurses in the State Tuberculosis Hospital at Tyler, Texas.

To enter this program a student must meet the college admission requirements and in addition must have passed an aptitude test given by the State Hospital System.

While engaged in the course the students are paid employees of the State Hospital System and are thereby given practical training in connection with their theory courses.

The work is of the regular college level; it meets the same number of weeks and hours as the other college courses, and the academic courses carry transferable college credits.

Basic Technical Nurse Course (First Year):

English 113	3 semester hours
Biology 113	3 semester hours
Biology 113B-123B	6 semester hours
Pharmacology 113	3 semester hours
Nursing 113-123	6 semester hours
Nursing 113A	3 semester hours
History of the United States 213-223	6 semester hours
TOTAL	30 semester hours

Advanced Technical Course (Second Year):

Home Economics 123C	3 semester hours
Nursing 213B	3 semester hours
Nursing 213C-223C	6 semester hours
Psychology 213	3 semester hours
Sociology 213	3 semester hours
Nursing 223D	3 semester hours
Nursing 213-A-223A	6 semester hours
Government 223	3 semester hours
TOTAL	30 semester hours

ONE YEAR BUSINESS AND COMMERCIAL COURSES

For business students interested in an intensive business course, the Certificate of Proficiency is awarded either in secretarial science, office management, or general business, upon completion of 30 semester hours of work. These courses are planned to train the student for work in an office. All courses listed under the suggested plan are required.

Secretarial Course

English 113	3 semester hours
Shorthand 113-123	6 semester hours
Typewriting 114-124	8 semester hours
Secretarial Practice 113-123	6 semester hours
Office Machines 113	3 semester hours
Business Correspondence 113C	3 semester hours
Business Mathematics 113 or Secretarial Accounting 123	3 semester hours
Psychology 111	1 semester hour
TOTAL	33 semester hours

Office Management Course

English 113	3 semester hours
Accounting 214-224	8 semester hours
Typewriting 114-124*	8 semester hours
Federal Tax Accounting 123B	3 semester hours
Office Machines 113	3 semester hours
Business Mathematics 113	3 semester hours
Business Law 213L	3 semester hours
Typewriter Care and Maintenance	1 semester hour
Psychology 111	1 semester hour
TOTAL	33 semester hours

*Shorthand 113-123 and Typewriting 114-124 are interchangeable in the above Management Plan depending upon the student's need.

General Business Course

English 113	3 semester hours
Typewriting 114-124	8 semester hours
Shorthand 113-123	6 semester hours
Secretarial Practice 113-123	6 semester hours
Office Machines 113	3 semester hours
Elective (Business or related courses)	6 semester hours
Psychology 111	1 semester hour
TOTAL	33 semester hours

Suggested Associate In Business Administration Degree Plans

Secretarial Plan

Freshman Year

English 113-123 or 223B	6 semester hours
Shorthand 113-123	6 semester hours
Typewriting 114-124	8 semester hours
Secretarial Practice 113-123	6 semester hours
History 213-223	6 semester hours
Psychology 111	1 semester hour
TOTAL	33 semester hours

Sophomore Year

Shorthand 213-223	6 semester hours
Typewriting 213-223	6 semester hours
Accounting 214-224	8 semester hours
Business Correspondence 113C	3 semester hours
Office Machines 113M	3 semester hours
Government 213-223	6 semester hours
Typewriter Care and Maintenance 111A	1 semester hour
TOTAL	33 semester hours

General Business Plan

Freshman Year

English 113-123 or 223B	6 semester hours
Shorthand 113-123	6 semester hours
Typewriting 114-124	8 semester hours
Secretarial Practice 113-123	6 semester hours
History 213-223	6 semester hours
Psychology 111	1 semester hour
TOTAL	33 semester hours

Sophomore Year

Accounting 214-224	8 semester hours
Business Correspondence 113C	3 semester hours
Business Law 213	3 semester hours
Government 213-223	6 semester hours
Economics 213	3 semester hours
Speech 113	3 semester hours
Business Mathematics 113	3 semester hours
Office Machines 113M	3 semester hours
Typewriter Care and Maintenance	1 semester hour
TOTAL	33 semester hours

ADULT EDUCATION—EVENING COLLEGE

Hundreds of adults enroll for one or more courses in the college. Some enroll in regular academic courses, such as English, government and history, while others enroll for vocational work such as typewriting, shorthand, auto mechanics, etc.

In order to accommodate these students classes are arranged at any convenient time for them. A regular schedule of evening classes has been arranged, meeting from 7:00 p. m. until 10:00 p. m.

Any adult interested is invited to call the Registrar, Phone LY 4-4281, or the Director of Evening College, Phone LY 2-6761, for further information.

DESCRIPTION OF COURSES

For a description of the system of numbering of courses,

see page 18 of this catalogue

AGRICULTURE

Courses With the Asterisk Are Offered in 1958-59.

***Agriculture 113—General Animal Husbandry (2-2)**

An introductory survey course intended to acquaint the student with the importance of livestock and livestock farming. General factors influencing efficiency in feeding, market value, breeding, health and adaptability of various species to geographical and climatic regions are studied. The course is designed to develop in the student an appreciation of improved livestock. Selecting and judging the various breeds and market classes are stressed in laboratory.

***Agriculture 113A—General Entomology (2-2)**

The systematic study of the principal orders of insects; the relation of the anatomy of the insect to control measures; the life histories of the more common insects; methods of control for injurious forms.

Agriculture 113-B—Dairying (2-2)

Dairying in its relation to agriculture and community development; branches of dairy industry and conditions affecting their development; the place of dairying on the farm; composition and food value of milk and its products; the production and handling of clean milk on the farm.

Agriculture 113C—Poultry Production (2-2)

The breeds and types of poultry, culling, poultry for egg production, incubation, brooding and feeding for growth and egg production, winter and summer management, housing and hygiene, preparing poultry for market, methods of marketing; practical application of these subjects to general farm conditions. The practice consists of the identification of breeds and varieties, judging, poultry for egg production, plans for poultry farms and poultry houses, identification of feeds.

Agriculture 113D—Floriculture (2-2)

A course dealing with the many phases of ornamental gardening. New methods in pest control, moisture determination in soils, and other later techniques.

***Agriculture 123—Fundamentals of Crop Production (2-2)**

Classification and distribution of farm crops; importance of good varieties and good seed; crop improvement; preparation of the seed bed, commercial fertilizers, manures and lime; seeding practices; crop tillage; harvesting; meadow and pasture management; weeds; crop rotation; diseases and insect enemies.

***Agriculture 123D—Wildlife Management (3-0)**

A course designed to acquaint the student with the wildlife resources of the United States with special reference to Texas. Emphasis is placed on the inter-relationship of plants and animals in our environment with plans and methods for rehabilitation, maintenance and increase of the desirable species.

Agriculture 123B—Horticulture (2-2)

A general study of horticulture; the growth and fruiting habits of horticulture plants; a study of the principles and practices of propagating vegetables, fruits and ornamentals, including the methods of handling seed, cuttage, layerage, grafting, budding and bulbs; a study of the planting, fertilization, care, culture, harvesting, handling and utilization of fruit and vegetable crops.

Agriculture 123C—Marketing of Agriculture Products (3-0)

A study of the general principles, practices, and problems involved in marketing farm products.

ART

Art 113—Creative Design (2-4)

Fundamental experience with various materials; emphasis upon the development of an awareness of the factors of visual expression, color, form and design.

Art 123—Creative Design (2-4)
A basic course in the fundamentals of color and drawing in design.
Art 113A—Home Planning and Furnishing (Interior Decoration) (3-0)
This course includes a study of floor plans in relation to the work units and furnishings of the home and the selection and placing of furnishings suited to the modern home.

BIBLE

(By affiliation with the Smith County Baptist Chair of Bible, the Bible Chair of Texas Methodist Student Movement, and the Church of Christ Bible Chair.)
(A maximum of twelve semester hours will be accepted toward a degree)
Bible 113—Old Testament Survey (3-0)
A study of all the books of the Old Testament giving attention to the historical setting, the message, and the place of each book in its relation to the Bible as a whole.
Bible 123—New Testament Survey (3-0)
A study of all the books of the New Testament as to author, message, and relation to the entire Bible.
Bible 213—Life and Teachings of Jesus (3-0)
A study of the life of Jesus and His teachings as applied to present-day life.
Bible 223—Life and Teachings of Paul (3-0)
A study of the life and teachings of Paul and their part in the early spread of Christianity.

BIOLOGY

Biology 114—Animal Biology (3-3)
A brief study of the nature of protoplasm and the structure and function of cells is followed by a systematic survey of the animal kingdom, with emphasis on such forms as are of human interest or application. There follows a study of adaptations in selected types. This course may be followed or preceded by Biology 113A by students requiring a year of general biology; it should be followed, or preceded, by Biology 124 for those requiring general zoology.
Biology 124—Animal Biology (3-3)
A study of organ systems of vertebrates, with special reference to man, followed by an introduction to embryology and the basic principles of heredity.
Biology 113A—General Botany of Seed Plants (2-3)
A study of the seed plant as a living unit; external and internal structures in relation to life processes; reproduction and life history.
Applied Laboratory Technology 114-124 (2-8)
Theory and practice in the science on a professional basis.
Biology 112—Anatomy and Psychology (2-0)
Anatomy and Physiology for students of X-Ray.
Biology 113B—Anatomy and Physiology (2-2)
A study of the anatomy and physiology of the human body. Emphasizes biological principles as applied to vertebrates in general and especially man.
Biology 123B—Anatomy and Physiology (2-2)
A continuation of Biology 113B.
Biology 113—Microbiology (3-2)
The characteristics and activities of microorganisms and their relation to health and disease.

BUSINESS ADMINISTRATION

Business Administration 111A—Typewriter Care and Maintenance (1-0)
The proper care and maintenance of the typewriter. Required of all terminal business students unless excused by the Director of Business School.
Business Administration 110T-120T—Elementary Typewriting (1-2)
A beginner's course in typewriting. Exercises for the mastery of the keyboard by the touch system, instruction in the care of the machine, study of form and arrangement of simple business letters and simple centering. Required of students majoring in business administration.

Typewriting problems in addressing envelopes, writing business letters, tabulation, manuscript writing, and legal document writing.

Business Administration 113—Oil and Gas Law (3-0)

A course designed for workers in petroleum production, leasing, scouting, and other oil industry activities.

Business Administration 113B—Introduction to Business (3-0)

A general business course designed to give the student an understanding of the fundamental principles of business operation.

Business Administration 113R—Real Estate Law (3-0)

The legal decisions and statutory provisions regarding the real estate business.

Business Administration 113A—Oil Accounting (3-3)

Present accounting methods and procedures peculiar to the oil industry. Emphasis is placed on specific procedure relative to this field.

Business Administration 113C—Business English and Business Correspondence (3-0)

A study of grammar, punctuation, sentence structure, paragraphing and composition of business letters.

Business Administration 113D—Business Mathematics (3-0)

This course covers the simpler exercises and problems of every-day business calculations—including such topics as the use of aliquot parts, practice on short methods of calculation, fractions, percentage, interest and discount, bonds, depreciation, social security taxes, property taxes, insurance, and stocks.

Business Administration 113I—Investments

This course analyzes the investment problems from the standpoint of the individual investor. It discusses the principles governing the proper investment of personal and institutional funds.

Business Administration 113M—Office Machines (3-0)

A course planned to develop in the student a working knowledge of a variety of calculating machines, the dictaphone, the mimeograph, the billing machine, the comptometer and the bookkeeping machine.

A student may arrange to specialize on a particular machine.

Business Administration 113F-123F—Secretarial Practice (2-3)

A course designed for students who are interested in the secretarial field. It covers speed dictation, transcription, office ethics, duplicating, office machines, filing and postal information; practice is given in interviewing callers, attending business conferences, and in telephone technique.

Business Administration 113S-123S—Elementary Shorthand (3-7)

Detailed study of principles of Gregg Shorthand by Simplified Functional Method. Special attention is given to word signs, special forms, phrase writing, and rapid reading of shorthand.

No credit in shorthand is granted until proper efficiency in typewriting is demonstrated. Students must attain a typing speed of at least sixty words per minute with not more than five errors in order to receive credit in Shorthand 123.

In the second semester there is continued study and review of the principles of shorthand. Dictation and transcription of new matter with emphasis upon readiness and accuracy in transcription.

Business Administration 113T-123T—Typewriting (2-2)

A beginner's course in typewriting. Exercises for the mastery of the keyboard by the touch system, instruction in the care of the machine, study of form and arrangement of simple business letters, and simple centering.

Typewriting problems in addressing envelopes, writing business letters, tabulation, manuscript writing, and legal document writing.

Business Administration 114T-124T—Typewriting (3-2)

A beginner's course in typewriting. Exercises for the mastery of the keyboard by the touch system, instruction in the care of the machine, study of form and arrangement of simple business letters, and simple centering.

Typewriting problems in addressing envelopes, writing business letters. tabulation, manuscript writing, and legal document writing.

Business Administration 123—Secretarial Accounting (3-0)

A study of the fundamentals of double-entry bookkeeping and their direct application to various businesses and professions—insurance, law, service operations, medicine, retail stores, and corporations—including the analysis of accounts and the preparation of accounting statements.

Business Administration 123B—Federal Tax Accounting (3-0)

Preparation of all forms of tax returns, together with study of pertinent laws and regulations pertaining thereto.

Business Administration 213-223—Intermediate Accounting (3-3)

Financial accounting principles, including treatment of working papers in the advanced stages. Advanced partnership accounting problems dealing with organization, entrance of new partners, dissolution, and equities. Further study of Corporate Accounting for organization, capital stock, investments, analysis of statements.

Second Semester—Special topics involving problems of consolidation, preparation of consolidated statements, problems in equity with reference to control, branch accounting, fiduciary, and other special types of statements and their analysis.

Prerequisite: Business Administration 123.

Business Administration 213A—Cost Accounting (3-0)

Accounting for various elements of cost, including organization and procedures involved in recording and assembling data involving labor, material and burden. The various systems; job order, process, and Standard cost. Treatment of predetermined costs of materials, direct labor, and burden.

Prerequisite: Business Administration 224.

Business Administration 213B—Auditing (3-2)

The principles and procedures employed by public accountants in the examination of financial statements, with special emphasis on preliminary work and preparation of audit working papers.

Prerequisite: Business Administration 123.

Business Administration 223B—Auditing (3-2)

Further study of auditing problems with special emphasis on check procedures for verification of supporting data. The case method of study of the application of auditing principles and procedure. Preparation of the Audit Report.

Prerequisite: Business Administration 213.

Business Administration 213L—Business Law (3-0)

Fundamentals, contracts, agency, negotiable instruments, property, and real estate. General principles involving law of bailments, sales, conditional sales, agency, negotiable instruments as they appear in actual cases illustrating practical business problems.

Business Administration 213C—Traffic Management (3-0)

Description of the railroad industry with special attention to railroads operating in the southwest; carrier organizations; rate procedures; special problems facing the industry; accounts and records; federal and state regulations.

Business Administration 213S-223S—Advanced Shorthand and Office Procedure (3-7)

Continued study and review of the principles of shorthand. Emphasis on speed building and transcription.

In the second semester emphasis is on taking dictation at very high rates of speed. Dictation is given in the legal, medical, and other technical fields as well as general office routines.

Business Administration 214-224—Elementary Accounting (3-3)

The principles of accounting for a single proprietorship organization. A study of the accounting equation, business transactions, business papers, ledgers, books of original entry, classification and interpretation of accounts and statements, valuation accounts, accrued and deferred items, and the accounting cycle.

Second Semester—Accounting for partnership and corporate business enterprises. A study of the characteristics of each organization, formation, dissolution, and liquidation.

Prerequisite: Sophomore standing.

Business Administration 213T-223T—Advanced Typewriting Problems (1-4)

This course includes business reports, business documents, legal documents, tabulation, statistical material, manuscripts, cutting stencils, various forms of business letters and a continued emphasis upon typing speed and efficiency.

Prerequisite: Business Administration 114-T-124T.

CHEMISTRY

Chemistry 114-124—General Chemistry (3-4)

Technical course. Serves prerequisite requirements for engineering medicine, and other professional courses requiring advanced work in Chemistry. The course deals with the fundamental principles and phenomena of the subject. During the second semester the laboratory work deals with the general principles and methods of qualitative analysis.

Chemistry 113-123—Introductory Chemistry (2-2)

Non-technical course which meets the needs of those who do not expect to specialize in science, engineering, or medicine. Cannot be substituted for Chemistry 114-124 in meeting prerequisite requirements. Chemistry 113-123 and Chemistry 114-124 may not both be counted for credit.

Chemistry 214-224—Organic Chemistry (3-4)

Principles of organic chemistry. Prerequisite: Chemistry 124 with at least a C average.

Chemistry 214A-224A—Quantitative Analysis (2-6)

Quantitative chemical analysis and its theory. Prerequisite: Chemistry 124.

ECONOMICS

Economics 113—Consumers Economic Problems (3-0)

Fundamental principles in the selection and purchase of consumers goods.

Economics 213—Principles of Economics (3-0)

An examination of fundamental economic concepts and principles.

Prerequisite: Sophomore standing.

Economics 223—Economic Problems (3-0)

A study of contemporary economic issues and problems.

Prerequisite: Sophomore standing.

EDUCATION

Education 113—Introduction to Educational Psychology (3-0)

An introductory study of mental life and the psychological principles underlying motivation, behavior, individual differences, and the learning processes.

Education 123—Introduction to Education (3-0)

A brief survey of the general field of education brought out through a study of the evolution of the present-day public school and its practices.

Education 213—Adolescent Growth and Development (3-0)

A study of the relationship of adolescent psychology to the materials and techniques of the secondary school.

Prerequisite: Education 113, Education 123.

Education 223—Child Growth and Development (3-0)

Methods of teaching in the elementary grades. Further consideration given to selection of subject matter and organization of lesson plans. Students observe classwork in local schools.

ENGINEERING

Engineering 113—Engineering Drawing (3-3-3*)

Care and use of drawing instruments, free-hand lettering, geometric construction of plane curves, orthographic and axonometric projections, conventions, section linings, threads, bolts, rivits, helixes, dimensioning drawings, principles of working drawings, technical sketching, shading, patent office drawings, graphs, structural drawing, topographical drawing, and reproduction drawings.

*Three lectures, three hours of supervised drafting, and three hours of home work per week.

Engineering 123—Descriptive Geometry (3-3-3*)
Principles of descriptive geometry and their applications to problems of engineering and architecture. Auxiliary views, developments, intersections, double-curved and warped surfaces in addition to point, line, and plane problems.

*Three lectures, three hours supervised problem work, and three hours of homework per week.

Prerequisite: Engineering Drawing and Solid Geometry.

Engineering 223—Applied Mechanics, Statics (3-0)
For sophomore students of engineering and architecture, and others who are required to have a comprehensive course in the analysis of forces on structures and machines, the resultants and equilibrium of force systems, friction, moments of inertia of areas, center of gravity, and similar engineering problems.

Prerequisite: Physics 124 or 124A and credit or registration in Calculus 223.

ENGLISH

English 112—Problems of Communications (2-0)
Composition and rhetoric for beginning freshmen whose scores on the English Placement Tests indicate the need of a review and a more intensive drill in English composition than is provided in English 113.

English 113—Composition and Rhetoric (3-0)
The development of the student's ability to think for himself and to express his thoughts in correct, clear language. A study of literature in order to encourage reading.

English 123—Composition and Rhetoric (3-0)
Further training in thinking and the ordering of thoughts by the study of the types of composition. Prerequisite: English 113.

English 213—English Literature (3-0)
A survey course using selections from an anthology to emphasize trends in English literature. Advanced composition.

Prerequisite: English 123.

English 223—English Literature (3-0)
The survey of English literature. Advanced composition. Prerequisite: English 123.

English 213A—Shakespeare: Selected Plays (3-0)
Survey of Shakespeare's principal works.

Prerequisite: Six hours of sophomore English.

English 223B—Technical Report Writing (3-0)
Techniques of verbal efficiency in the various media of engineering and scientific communication, with stress on report and research-report preparation, letters and resumes. Required in technological and engineering plans.

English 113C—World Literature (3-0)
A study of the world's great literature, centered around the spirit of man as an individual and as a social being.

FOREIGN LANGUAGE

French 114—Beginner's French (3-2)
Drill in the pronunciation and the grammar of the French language with written exercises, dictation and conversation in French.

French 124—Composition and Reading (3-2)
Prerequisite: French 114 or two admission units in French from high school.

French 213-223—General Survey of French Literature (3-0)
A brief study of political history serves as background. Classics of each period read in class. Outside readings assigned.

Prerequisite: French 124.

Spanish 114—Beginner's Spanish (3-2)
Drill in the pronunciation and the grammar of the Spanish language with written exercises, dictation and conversation in Spanish.

Spanish 124—Composition and Reading (3-2)
Prerequisite: Spanish 114 or two admission units in Spanish from high school.
Spanish 213-223 (3-0)
A survey of the literature of Spain. As a basis for the comprehension of the literature, a survey of Spanish history, both political and literary, from earliest origin to present decade. Lectures in Spanish. Outside reading will be assigned.
Prerequisite: Spanish 124.

GEOLOGY AND GEOGRAPHY

Geology 114—General Geology (3-3)
Physical and historical geology; processes modifying the earth's surface; materials of the earth's crust. Laboratory work in cartography, mineralogy, and petrology.
Geology 124—General Geology (3-3)
Historical geology; the history of the earth through geologic times as revealed by rocks and fossils; the origin and development of plant and animal life. Laboratory work in paleontology.
Prerequisite: Geology 114.
Geology 213-223—Mineralogy and Petrology
Introductory course in the study of minerals and rocks, including the elements of crystallography; determination of the common minerals by their physical properties; origin, mode of occurrence, and determination of the common types of igneous, sedimentary and metamorphic rocks.
Prerequisite: Trigonometry, Geology 124, and credit or registration for Chemistry 114. First semester, two lectures and six laboratory hours a week; second semester, three lectures and three laboratory hours a week.
Geology 223A, Invertebrate Paleontology (2-4)
Invertebrate, phyla; sponges, coelenterate, echinodermata, brachiopods, mollusks, and arthropods, stratigraphic and evolutionary paleontology.
Prerequisites: Geology 114-124.
Geography 223, World Geography (3-0)
The earth, its climatic regions; the relation of human activities to physical environments; major cultural divisions and selected regions and countries.

GOVERNMENT

Government 113—Great Issues (3-0)
An analysis of the factors involved and the historical background for the interpretation of today's conflicts and ideologies. A study is made of the current American policy in relation to these issues.
Government 213—American Government (3-0)
A functional study of the American constitutional and governmental system, of the origins, developments and present-day problems of the national government, of the rights, privileges and obligations of citizenship.
Prerequisite: Sophomore standing.
Government 223—National and State Government (3-0)
The nature, organization, and general principles of local government in the United States, with special attention to these forms in Texas; the judicial, executive, and administrative functions in federal and state government; financing governmental activities.
Prerequisite: Sophomore standing.

HISTORY

***History 113—History of England (3-0)**
Survey of the social, economic, political, and intellectual development of Britain from the prehistoric period through the fifteenth century.
***History 123—History of England (3-0)**
Continuation of History 113. Survey of the social, economic, political, and intellectual development of Britain and the British Empire to the present.

---

* Offered 1959-1960.,

**History 113A—Western Civilization in Mediaeval Times. (3-0)
A survey course in the cultural and institutional development of the nations of western Europe through the sixteenth century.

**History 123A—Western Civilization in Modern Times (3-0)
Continuation of History 113A. A survey course in the cultural and institutional development of the nations of western Europe from the sixteenth century to the present time.

History 213—History of the United States (3-0)
A general survey of the history of the United States from the era of discovery to the Civil War.
Prerequisite: Six semester hours in history or sophomore standing.

History 223—History of the United States (3-0)
A general survey of the history of the United States from the Civil War to the present time. Prerequisite: Six semester hours of history or sophomore standing.

HOME ECONOMICS

H. E. 113A—Food Selection and Preparation. (2-4)
Fundamental principles in the selection and preparation of foods; nutritive values; cost of foods.

H. E. 123A—Meal Planning and Service (2-4)
For majors in Home Economics, hotel, or restaurant management. Planning and serving meals suitable for family groups. Selection and use of table appointments. Serving food for special occasions.

H. E. 113B—Costume Design and Selection (2-4)
Fundamental principles of design and color applied to the selection and planning of appropriate dress. Emphasis on line, color, and texture in relation to the individual.

H. E. 123B—Elementary Clothing (2-4)
The study of textile fabrics. Fundamentals of selection and construction of clothing. Use and alteration of commercial patterns. Problems selected according to the ability and learning experience of the student.

H. E. 123C—Nutrition (2-2)
Fundamental principles of human nutrition applied to the individual, family, and community nutrition problems. Diet and nutrition in health and disease. Chemistry, physiology and economics of normal nutrition.

JOURNALISM

Journalism 113—Mass Communications (3-0)
An introduction to journalism designed to give the student an understanding of the media of mass communications in modern society and the career opportunities in the field.

Journalism 213A-223A—News Gathering and Reporting (3-4)
Instruction and practice in interviewing and writing; discussion of news sources, news values, and various types of news stories. Laboratory work on the college paper. Admission by permission of Dean or Registrar.
Prerequisites: Thirty hours college credit including at least a C average in freshman English. Credit in high school or college typing or registration in college typing.

LABORATORY TECHNOLOGY

Applied Laboratory Technology 114—Theory and Techniques (2-8)

Applied Laboratory Technology 124—Intermediate Theory and Techniques (2-8)

Applied Laboratory Technology 213—Advanced Theory and Techniques (2-8)

Applied Laboratory Technology 206—Summer Laboratory Practice (Optional) (2-8)

**Offered 1958-1959.

MATHEMATICS

Mathematics 113A—College Algebra (3-0)

Fundamental operation with real numbers, polynomials, and rational fractional expressions; equations; negative and fractional exponents; variation; progressions; mathematical induction and the binomial theorem; theory of equations; determinants; complex numbers.

Prerequisite: 1½ years high school algebra.

Mathematics 113C—College Algebra (3-0)

A review of elementary algebra, factoring, fractions, linear and quadratic equations, systems of linear equations, exponents and radicals, logarithms, progressions, the binomial theorem.

Mathematics 113B—Trigonometry (3-0)

The development and use of trigonometric functions in the solution of triangles, identities and equations; graphs of functions; logarithms; logarithmic solution of triangles, application to practical problems; inverse functions.

Prerequisite: Plane Geometry and 1 year high school algebra or Algebra 113C.

Mathematics 113D—Solid Geometry (3-0)

Lines and planes in space; dihedral and polyhedral angles; prisms and cylinders; pyramids and cones; spheres; application to practical problems.

Prerequisite: Plane Geometry.

Mathematics 113D—Introductory College Mathematics (3-0)

An introduction to modern college mathematics, logical motions, sets, operations, functions, graphs, and limits.

Mathematics 123—Mathematics of Finance (3-0)

Short-cut methods, simple and compound interest, equations of value, annuities, amortization and sinking funds, depreciation, bonds.

Prerequisite: College Algebra.

Mathematics 123A—Analytic Geometry (3-0)

Cartesian coordinates; the straight line, the circle, and conic sections; transformation of coordinates; polar coordinates; parametric equations; rapid sketching; higher plane curves.

Prerequisite: Algebra 113A, Trigonometry 113B.

Mathematics 123B—Calculus (3-0)

Variables, functions, and limits; differentiation of algebraic functions with applications; differentials; mean value theorem; integration of algebraic functions with applications.

Prerequisite: Math 123A or concurrent registration.

Mathematics 213—Calculus (3-0)

Differentiation and integration involving transcendental functions; approximate integration; indeterminate forms.

Prerequisite: Math 123B.

Mathematics 223—Calculus (3-0)

Introduction to series; Taylor's series; partial differentiation; multiple integrals; elementary differential equations with applications.

Prerequisite: Math 213.

NURSING

Nursing 111S—Diet Therapy (3-0)

A consideration of nutritional needs in the treatment of disease conditions. Follows Home Economics 123C and is given prior to supervised experience in the dietary department of the hospital.

Nursing 121—Principles and Practice in Medical Nursing (1-0)

This course presents the introduction to the principles of medical nursing. The content is organized into units according to the anatomical systems of the body with consideration given to the related emotional, social, and mental aspects of the patient. Correlated with the related aspects of the surgical nursing, pharmacology, and nutrition.

Nursing 121A—Principles and Practice in Surgical Nursing (1-0)

The introduction to the principles of surgical nursing. The content is organized into units according to the anatomical systems of the body with consideration given to the related emotional, social, and mental aspects of the patient. Correlated with the related aspects of the medical nursing

course. Supervised practice in the medical and surgical services of the Medical Center Hospital and Mother Frances Hospital follow the course as correlated with further courses of theory in this area.

Nursing 113-123—Introduction to Nursing (2-2)

A lecture and laboratory course designed to develop in the student attitudes and ideals desirable in a nurse and the knowledge and skills necessary to give effective nursing care, which includes competent guidance of the individual patient. A study of the aims and methods of teaching health to the individuals and groups in the nursing care of patients in the hospital and community nursing services.

Nursing 213S—Professional Adjustments and History of Nursing (3-0)

An introduction to the School of Nursing program; nursing trends which have brought nursing to the level of a profession. Emphasis is placed on the qualifications of a good nurse and the adjustments necessary in the profession. Designed to help the student appraise, develop, and maintain an adequate standard of sound physical, mental, and social habits of living.

A survey of the historical development of nursing from its early conception to the modern times with special emphasis on contemporary movements.

Nursing 213F—Principles and Practice of Medical Nursing (including ward classes) (3-0)

A discussion of the course, pathology, prevention, and treatment of medical conditions; the related emotional, social, nutritional and rehabilitative aspects and the nursing care essential to meet the needs of the individual patient. Guided practice in the nursing care of patients in the medical services of the local hospitals.

Nursing 113A—History of Nursing and Professional Adjustment (3-0)

A survey of the historical development of nursing from its early conception to the modern times. Special emphasis is given toward the development of professional attitude and acquainting the students with contemporary movements in the field of nursing.

Nursing 223F—Principles and Practice of Surgical Nursing (including ward classes) (3-0)

A discussion of the causes and pathology, prevention and treatment of surgical conditions; the related emotional, social, nutritional, and rehabilitative aspects and the nursing care essential to meet the needs of the individual patient. Guided practice in the nursing care of patients in the surgical services of the Mother Frances Hospital and the Medical Center Hospital. A study of the principles of aseptic operative techniques and the routine procedures used in the care of patients in the operating room.

Nursing 213A—Tuberculosis Nursing—Advanced Nursing (2-3)

A study of etiology, symptomatology and nursing care of the patient with tuberculosis.

Nursing 223A—Tuberculosis Nursing—Advanced Nursing (2-3)

A continuation of Nursing 213A.

Nursing 213B—Psychiatry (3-0)

A study of the different types of mental diseases from the standpoint of etiology, symptomatology, and prevention; the various forms of shock therapy; and the nursing care, including the special care of different types, the importance of accurate observations, recreational, and occupational therapy, and the social aspects of the patient's adjustment.

Nursing 213C-223C—Principles and Practice of Medical Nursing (including ward classes) (3-0)

A discussion of the course, pathology, prevention and treatment of medical conditions; the related emotional, social, nutritional and rehabilitative aspects; and the nursing care essential to meet the needs of the individual patient. Guided practice in the nursing care of patients in the medical services of the East Texas Tuberculosis Sanatorium.

Nursing 223—Community Aspects of Nursing Care

A study of the principles and methods of teaching health to individuals and groups, and the application of these methods to the nursing care of patients in the hospital, outpatient department, and community nursing services. A study of the principles and trends in public health nursing and general responsibilities of the nurse in the community.

Nursing 223D—Rehabilitation Therapy (3-0)

Occupational and recreational.

Nursing 223E—Principles and Practice of Obstetric and Gynecologic Nursing (3-0)

This course is divided into two units. The first deals with the Physiological conditions of a normal pregnancy, labor, puerperium, the complications that may arise during any of these periods, the nursing care in normal and complicated conditions, and the care of the newborn, including the premature infant. The second unit is concerned with the diseases of the genital system of the female and includes etiology, symptomatology, prevention, treatment, both operative and non-operative, and the nursing care. In both units emphases are placed on the social and health aspects of the nursing care.

PHARMACOLOGY

Pharmacology 113—Pharmacology and Therapeutics (3-0)

Pharmaco-dynamics of therapeutically useful agents; signs and symptoms of overdosage and means of counteraction; side effects; synergism, antagonism, and corrective agents. Lecture, demonstrations and laboratory experiments.

PHYSICAL EDUCATION

Physical Education 111, 121, 211, 221. Physical Training (0-2)

Includes such activities as football, basketball, baseball, volleyball, track, table tennis, golf, tennis, archery, tap dancing, modern dancing, group precision dancing, marching organizations, swimming, badminton, softball, bowling, and calisthenics.

Physical Education 113C—Art of Daily Living (3-0) (Women)

A course designed to place emphasis on the needs and activities of the individual student to assist in making proper adjustments. The fundamental aim is to develop self-assurance through knowledge that one's health, appearance, clothes, styling, make-up, and posture are correct. Students are given personalized instruction with respect to their own problems. By means of lectures, demonstrations, practice, and opportunities to perform in public, an effort is made to develop in the student greater poise and alertness. Instruction includes technique for balance and control of movement, selection and care of clothing.

Physical Education 113-123—Methods (2-2)

The organization and administration of physical education in the public schools. The course of study for physical education as recommended by the State Department of Education for high schools is used as a basis for study. Laboratory periods are devoted to actual problems in the field.

Physical Education 113B—Playground Methods and Supervision (3-0)

Designed to acquaint students with methods of direction, supervision and administration of park or playground programs.

Physical Education 113A—Theory of Football and Track (3-0)

Physical Education 123A—Theory of Basketball and Baseball (3-0)

PHYSICS

Physics 122—X-Ray Physics (2-0)

Physics 113-123—Elementary Physics (3-0)

A course for students needing to meet a general physical science degree requirement. This course will not meet the needs of those planning careers in science, medicine, psychology, mathematics, or engineering. Credit will not be given if the student has had Physics 114 or 124.

First Semester: Electricity and Magnetism Atomic and Nuclear Physics. Second Semester: Mechanics, Heat, Sound, and Light. Two lectures, one laboratory demonstration and two hours additional outside required work per week.

Physics 114—General Physics (3-3)
Covers the fundamental principles of electricity, magnetism, sound and light.

Physics 124—General Physics (3-3)
A continuation of Physics 114, to meet the needs of students of pre-medicine, pre-dentistry, architecture, and the liberal arts. Consists of the fundamentals of mechanics, properties of matter, heat and wave motion.

Physics 124A—Engineering Physics for Freshmen Engineers (3-2-1)*
Mechanics and heat. Designed especially for engineering students and others who plan to major in Physics or Chemistry and all students who plan to take Physics 214.

Prerequisite: Admission credit in high school physics or the equivalent: Mathematics 113A and 113B.

Physics 214-224—Advanced Physics (3-3)
A course designed to meet the second year physics requirements of students in engineering, medicine, and those who plan to major in some field of science. Electricity, magnetism, wave-motion, acoustics and optics.
Prerequisite: Six hours of mathematics and Physics 124 or 124A.
*Three hours lecture, two hours laboratory and additional outside work of at least one hour per week.

PSYCHOLOGY

Psychology 111—Freshman Orientation (1-0)
Freshman orientation in a course designed to help students bridge the gap between high school and college. Library usage, study habits, good attitudes, and budgeting of time are taught. The giving and interpretation of standardized tests and vocational counseling are included in the course. Required of all beginning freshmen unless excused by the Dean of the College.

Psychology 113A—Psychology of Learning (3-0)*
Fundamental mental and psychological principles underlying motivation, behavior, individual differences, and the learning processes.
The student may not count both Education 113 and Psychology 113A for credit.

* This course, in the evening college, is offered in three divisions 113A1, 113A2 and 113A3. Each division gives one semester hour credit.

Psychology 213—Introductory Psychology (3-0)
A survey of the principles of general psychology developed by lectures, recitations, and demonstrations in class.
Prerequisite: Sophomore standing.

Psychology 223—Business Psychology (3-0)
Psychological principles concerned with advertising, salesmanship, employment, and personal problems.
Prerequisite: Psychology 213.

SOCIOLOGY

Sociology 213—Introduction to Sociology (3-0)**
Introduction to the study of society. The community and its structure; the ecological approach to human relationships; elements and processes of social interaction; social change; society and the person.
Prerequisite: Sophomore standing.

**This course, in the evening college, is offered in three divisions, 213A1, 213A2, 213A3. Each division gives one semester hour credit.

SPEECH AND DRAMA

Speech 113—Fundamentals of Speech (3-0)
Fundamentals of oral communications; use of the body and voice; participation in various speech situations; planning, organizing and delivering general platform speeches. Speech 113 and Speech 223A cannot both be counted for credit.

Speech 113A—Voice and Diction (3-4) (3-0)
Fundamental principles of diction, voice development, and interpretation; intensive practical application through classroom exercises and special projects; development of the ability to speak before groups. For drama majors three lectures and four laboratory hours per week, for others three lectures per week.

Speech 123A—Voice and Diction. (3-4) (3-0)
Continuation of Speech 113A with addition of basic principles of acting and practical work in scenes from plays. For drama majors three lectures and four laboratory hours per week, for others three lectures per week.

Speech 213—Debate (3-0)
A study of the principles and theories of debate technique. Group, forum and panel discussions are held on foremost controversial issues. Especial attention is given to the current national college debate question. Various intramural and inter-collegiate debates.
Prerequisite: Sophomore standing.

Speech 213A—Basic Theater Practice (2-9)
Stagecraft, properties and make-up. Two lectures and nine laboratory hours and practical experience on technical crews required.

Speech 223—Acting (3-4)
Study and practical experience in problems of creating characterization, with emphasis on developing vocal and physical skill in acting.
Prerequisite: Speech 123A.

Speech 223A—Business and Professional Speaking (3-0)
Special types and techniques of speeches most common to business and professional people; theory and practice in business speech situations, personal conferences, oral reports, sales talks, and occasional speeches.
Prerequisite: Sophomore standing, except by permission of the Dean.

DISTRIBUTIVE EDUCATION

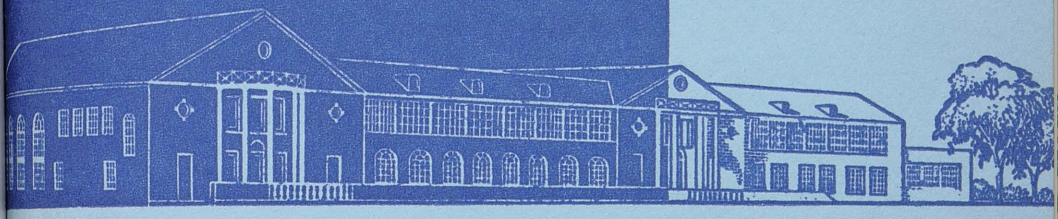
In accordance with its stated objectives, Tyler Junior College co-operates with business and industrial concerns of the area by providing personnel training programs. Distributive Education courses are organized whenever there is a request by a sufficient number of persons for such a class.
These courses are taught in either the regular day session or in the Evening College to suit the needs of the students.

X-RAY TECHNOLOGY

X-Ray Technology 113—Beginning Theory and Techniques (1-5)
X-Ray Physics 123—Physics Theory and Practice Applied in the field of X-Ray (1-5)
X-Ray Technology 213—Intermediate Theory and Techniques (1-5)
X-Ray Technology 223—Advanced Theory and Techniques (1-5)

TYLER JUNIOR COLLEGE

TYLER
TEXAS



TECHNICAL AND INDUSTRIAL DIVISION

A REGIONAL COLLEGE
FOR THE
GREAT EAST TEXAS AREA

TYLER JUNIOR COLLEGE

TECHNICAL AND INDUSTRIAL DIVISION

Tyler Junior College has instituted technical, trade and vocational courses which are pre-employment training courses and which fit the student into the technical, trade and industrial world in the shortest possible time.

In order to meet the needs of both high school graduates and those with less formal education, the college program is divided into Day School courses, Extended Day program courses and Trade Extension classes.

Day Courses

Courses offered in the day division are mostly technical in nature and operated on the semester hour plan. These courses are two years in length and are divided into semesters and summer terms. Upon completion of appropriate units, the student is given credit in terms of semester hours.

Admission to day technological courses is based upon graduation from an accredited high school or upon satisfactory completion of an entrance examination.

TUITION

Professional Drafting, Petroleum Technology, Surveying, Electronics and Auto Mechanics:

Tyler Junior College District Residents, $50.00 per semester for a whole or part of a program. Summer-school rate, $10.00 per term plus $10.00 per semester hour for academic courses.

Texas non-district residents, $60.00 per semester for a whole or part of a program. Summer-school rate, $20.00 per term plus $10.00 per semester hour for academic courses.

Non-residents of Texas, $200.00 per semester for a whole or part of a program. Summer-School rate $20.00 per term plus $10.00 per semester hour for academic courses.

Extended Day Program

In the extended day program such courses as Automotive Mechanics and other skilled crafts are offered. Admission is made on a selective basis regardless of the amount of secondary education. If it appears that the prospective student can profit by enrolling in a given course, the director of Vocational Education will usually approve his admission to the course.

Courses offered in the extended day program are on a clock hours basis and grades are given upon the successful completion of each phase of instruction.

Trade Extension Classes

Tyler Junior College, in cooperation with the Texas Education Agency, offers "trade extension" classes. Instruction is given to trade and industrial workers in courses that are designed to teach the workers more about their jobs, and thereby increase their productivity and assure more opportunities for advancement. Any worker may enter a trade extension class if the instruction given is such as will help him in his daily work or fit him for promotion to a better job in the same occupation. Pre-employment training cannot be offered in trade extension classes but all workers are eligible for trade extension classes who are over sixteen years of age and are employed in those trades or industrial pursuits for which supplementary instruction can be given.

PETROLEUM TECHNOLOGY

The petroleum technology curriculum is established with the advice and co-operation of employers and workers in the oil fields, to provide preliminary training for workers in various aspects of petroleum development and production. The oil field demands employees with background for employment in locating, drilling and maintaining wells, and in handling and refining petroleum products. While scientific background and related information is included in the technology course, major emphasis is upon operation in the oil field, with opportunity for field trips and for employment.

Petroleum technology majors have available to them training in four broad areas: exploration, development, marketing, and construction and maintenance. The two-year program listed below is the pattern suggested for students who plan to enter the petroleum industry in the field of exploration and development.

FIRST YEAR

First Semester	Lecture	Lab.	Cred.
English 113—Composition and Rhetoric	3	0	3
History 213—United States History	3	0	3
Chemistry 113—Introductory Chemistry	2	2	3
Petroleum Development 116	5	15	6
Second Semester			
English 223B—Technical Report Writing	3	0	3
History 223—United States History	3	0	3
Mathematics 113D Introductory College Mathematics	3	0	3
Petroleum Development 126	5	15	6

SECOND YEAR

Third Semester			
Speech 113—Fundamentals of Speech	3	0	3
Psychology 213—Introductory Psychology	3	0	3
Government 213—United States Government	3	0	3
Petroleum Production 216	5	15	6
Fourth Semester			
Government 223—National and State Government	3	0	3
Business Administration 213L—Business Law	3	0	3
Elective	3	0	3
Petroleum Production 226	5	15	6

DESCRIPTION OF COURSES

Petroleum Development 116

Petroleum geology; map reading and surveying; geophysical prospecting methods; land and lease; derrick construction; types of derricks, masts; well drilling equipment, boilers and steam engines, diesel and gasoline motors.

Petroleum Development 126

Rotary drilling equipment, rotary drilling method, rotary drilling problems, circulatory mud control, fishing tools and methods, locating the oil zone, core methods and sample analysis, casing usage, drill-in methods, well completion practice, controlled directional drilling, cable tool drilling, drill stem testing.

Petroleum Production 216

Well head connections, tubing the well, pumping equipment, fracturing of flow, artificial flow methods, oil and gas separators, field stock tanks, pumping wells, water problem, sub-surface repairs, sand and lime pressure fracturing, methods and aciding.

Petroleum Production 226

Prime movers and power transmissions in production, treating oil field emulsions, metering systems, reservoir control and pressure maintenance, gauging practices, pipe line methods and problems, fire control systems, secondary recovery methods, well abandonment, natural gas, gasoline plants and oil refineries.

DRAFTING PROGRAM

FIRST YEAR

First Semester

	Lecture	Lab.	Credit
Drafting 116 Mechanical Drawing	3	8	6
Mathematics 113D Introductory College Mathematics	3	0	3
English 113 English Composition and Rhetoric	3	0	3
History 213 United States History	3	0	3

Second Semester

Drafting 126 Mechanical Drawing	3	8	6
Mathematics 113C College Algebra	3	0	3
Drafting 121 Material and Processes	1	0	1
English 223B Technical Report Writing	3	0	3
History 223 United States History	3	0	3

SUMMER SESSION

First Term

Mathematics 113B Trigonometry	3	0	3
Drafting 113AS Sheet Metal Drawing	2	3	3

Second Term

Elective	3	0	3
Drafting 123AS Tool Design	2	3	3

SECOND YEAR

First Semester

Drafting 216 Machine Drawing	3	8	6
Speech 113 Fundamentals of Speech	3	0	3
Government 213 American Government	3	0	3
Physics 113	3	0	3

Second Semester

Drafting 226 Machine Drawing	3	8	6
Or			
Drafting 226A Map Drafting	3	8	6
Government 223 National and State Government	3	0	3
Drafting 226M Mathematics of Plane Surveying	6	0	6

SUMMER SESSION

First Term

Drafting 226S Advanced Specialized Drawing	2	8	6

Second Term

Drafting 226AS Advanced Specialized Drawing	2	8	6

TECHNICAL DRAFTING

Drafting 116—Mechanical Drawing (3-8)

This course includes a study, of and some practice in, free hand lettering and free-hand sketching. A thorough study of orthographic projection is made, together with some study in isometric drawing, isometric projection, oblique drawing, oblique projections, cabinet drawing, sections, intersections and developments, revolution, with practice in all of the above named divisions of drawing.

Drafting 126—Mechanical Drawing (3-8)

Domestic architectural drawing, architectural lettering, conventional symbols. A complete set of plans for a one-story, five or six room modern frame home or building. The third division consists of perspective, rendering, both in elevation and perspective, specifications, and current cost analysis.

Drafting 121—Materials and Processes (1-0)

Materials, their limitations and usefulness; techniques of processes, their relative importance industrially and their relation to one another in a complete understanding of the entire manufacturing processes of a machine or part. Emphasis on correct use of a machine or part and on correct use of technological terms.

Drafting 113AS—Sheet Metal Drawing (2-3)

A review of geometric construction, followed by the three divisions of sheet metal patterns of sheet metal lay-out; namely, parallel line developments, radical line developments, and triangulations. For variety, problems of a special nature are included in this course.

Drafting 123SM—Elementary Practical Mechanics (3-0)

Applied mechanics of machine and power, gearing, belting, cams, mechanical advantage and efficiency of different types of machines. Fluid pressure and heat measurement, and the expansion and contractions of materials.

Drafting 123AS—Tool Design (2-3)

The design of jigs, fixtures, punches, dies, and other special tools of production.

Drafting 216 Machine Drawing (3-8)

Free-hand lettering, both in pencil and in ink. Free-hand technical sketching, detail and assembly drawing. Projection, intersection developments, revolutions, auxiliary views and multiple views.

Drafting 226—Machine Drawing (3-8)

A continuation of Drafting 216 with emphasis on isometric drawing, isometric projection, oblique drawing, oblique projection, cabinet drawing, machine fastening, screw threads, bolts and nuts.

Drafting 226A—Map Drafting (3-8)

Map drafting, emphasizing lettering, symbols, scales, lease maps, township maps, highway maps, pipe line maps, etc.

Drafting 226M—Mathematics—Plane Surveying (6-0)

The use and adjustment of surveying instruments, plane surveys with transit and tape; profiles, and cross sections, computation from field notes.

Drafting 226S—Advanced Specialized Drawing

A specialized course devoted to intense practice in related subjects pertaining to type of drafting in which the student desires to specialize in.

Drafting 226AS—Advanced Specialized Drawing

A continuation of Drafting 226S, with field trips to industrial drafting departments. Special problems related to the field of drawing in which the student plans to seek employment.

ELECTRONICS

FIRST YEAR

First Semester

Electronics 116 General Technical Physics	6	0	6
Electronics 116L Electronics	2	12	6
English 113 Composition and Rhetoric	3	0	3
History 213 History of the United States	3	0	3

Second Semester

Electronics 126 Electricity and Magnetism	6	0	6
Electronics 126L Advanced Electronics	2	12	6
English 223B Technical Report Writing	3	0	3
History 223 History of the United States	3	0	3

FIRST SUMMER

First Term

Electronics 133 Electronic Instruments	5	12	3
Electronics 113L Radio Communication	7½	0	3

Second Term

Electronics 123 Television	5	12	3
Electronics 123L Television	7½	0	3

SECOND YEAR

First Semester

	Lec.	Lab.	Sem.Hrs.
Electronics 216 Fundamentals of Radio	6	0	6
Electronics 216L Electron Tubes and Amplifying Circuits	2	12	6
Government 213 American Government	3	0	3

Second Semester

Electrical Measurements at High Frequencies	6	0	6
Electronics 226L Advanced Electronic Circuits	2	12	6
Government 223 National and State Government	3	0	3

SECOND SUMMER

First Term

Electronics 233 Color Television	7½	0	3
Electronics 233L Color Television	5	12	3

Second Term

Electronics 243L Advanced Television Laboratory	5	15	6

ELECTRONICS

Electronics 116—General Technical Physics (6-0)

Principles and technical applications of electricity, magnetism, sound, light and atomic physics.

Electronics 116L—Electronics (2-12)

The phenomena of electronics; thermionic emission; photoelectric emission; field emission; the theory of metallic conductors; contact potential; electrical discharge in gases; electron tubes and their applications; the construction and operation of vacuum tube amplifiers and oscillators.

Electronics 126—Electricity and Magnetism (6-0)

Coulomb's law, the electric field, Gauss law, ohmic and non-ohmic conductors, electric instruments, circuits, Kirchoff's law, magnetism, the magnetic field, electromagnetic induction, alternating currents.

Electronics 126L—Advanced Electronics (2-12)

Electrons in metals and in semi-conductors; thermionic, photoelectric and field emission of electrons; applications of vacuum tubes and transistors to feedback amplifiers; frequency-selective amplifiers, oscillators, modulation systems, and special electronic instruments; ultra-high frequency electronics; magnetic amplifiers.

Electronics 133—Electronic Instruments (2-12)

Electronic generating and measuring devices used in phyiscal experimentation and testing; analysis for pulse measurements.

Electronics 133L—Radio Communication (3-0)

A study of the basic circuits used in radio, television, and computers. An analytical study of modulators, demodulators, oscillators, and amplifiers. The laboratory work covers experimental studies of the above devices.

Electronics 123—Television (2-12)

An introduction to the principles and practice of television; image analysis, television camera action, synchronizing circuits, video amplifiers, receivers, laboratory study of transmitters and receivers.

Electronics 123L—Television (3-0)

A study of the methods of repair and servicing of television receivers, by use of measuring instruments.

Electronics 216—Fundamentals of Radio (6-0)

Electric circuits, vacuum tube characteristics. Vacuum tube circuits, radio receiving and transmitting systems.

Electronics 216L—Electron Tubes and Amplifying Circuits (2-12)

A study of both high vacuum and gas filled tubes and their application to radio and television. Course includes detailed studies of thermionic emission, the various vacuum tubes, gas tubes, cathode ray tubes, rectifiers, voltage amplifiers, and power amplifiers. Discussed more briefly are oscillators, modulators, detectors, and wave shaping circuits. Principles of radar are discussed.

Electronics 226—Electrical Measurements at High Frequencies (6-0)

Introduction to fundamental measurement methods and instruments in the VHF, UHF, and microwave regions. Impedance, power frequency, and wavelength measurements. Open-wire, coaxial, and waveguide transmission lines. An experimental study of the high frequency triode, klystron, and magnetron.

Electronics 226L—Advanced Electronic Circuits (2-12)

Electron devices and circuits as applied in computing, measuring, and timing instruments. This laboratory is planned so as to allow the student some choice regarding the type of work project.

Electronics 233—Color Television (3-0)

A study of the theory of color television and the changes to be made for adaptating sets for color television.

Electronics 233L—Color Television (2-12)

The use of the different tools and equipment necessary to repair and maintain a television in working order, both the black and white and the color television.

Electronics 243L—Advanced Television Laboratory (2-12)

The shop practice period will be used to build, repair and study the different means of tracking and correcting trouble in a television set.

SURVEYING

FIRST YEAR

First Semester

	Lec.	Lab.	Sem. Hrs.
Surveying 116 Elementary Surveying	2	12	6
Cartography 123 Elementary Mapping	2	4	3
English 113	3	0	3
History 213 History of the United States	3	0	3

Second Semester

Surveying 126 Plane Surveying	2	12	6
History 223 History of the United States	3	0	3
Drafting 226A Map Drafting	3	8	6

FIRST SUMMER

First Term

Surveying 133 Topographical Surveying	5	12	3
Surveying 133L Surveying for Petroleum Engineering	7½	0	3

Second Term

Surveying 143 Topographical Surveying	5	12	3
Surveying 143L Surveying for Petroleum Engineering	7½	0	3

SECOND YEAR

First Semester

	Lec.	Lab.	Sem. Hrs.
Business Administration 113R Real Estate Law	3	0	3
English 223B	3	0	3
Surveying 216 Plane Surveying	2	12	6
Government 213 American Government	3	0	3

Second Semester

Surveying 226 Route Surveying	2	12	6
Business Administration 113M Office Machines	3	0	3
Mathematics 113D Introductory College Mathematics	3	0	3
Government 223 National and State Government	3	0	3

SECOND SUMMER

First Term

Surveying Advanced Surveying	5	12	3
Surveying 233L Dendrology	7½	0	3

Second Term

Surveying 243 Advanced Surveying	5	12	3
Surveying 243L Dendrology	7½	0	3

SURVEYING

Surveying 116—Elementary Surveying (2-12)
Care and adjustment of surveying instruments; land surveying; traverses; leveling; notekeeping; computation; and precision.

Cartography 123—Elementary Mapping (2-4)
Elementary cartography. The theory of map projections, scale changing and conversion factors. The construction of topographic maps and orthographic projections of small areas. Map interpretation. The plotting of traverses, contours, and details from the surveyor's field notes.

Surveying 126—Plane Surveying (2-12)
Use and care of instruments; notekeeping; distance measurements; traverse surveying; areas; angles and elevations; leveling; profile cross sections; legal principles.

Surveying 133-143—Topographical Surveying (2-12)
The use of tape, transit and level. Complete topographic survey, using the stadia method and plane table; astronomical observations for azimuth, time and latitude; drafting of topographic maps from field notes.
Surveying 133L-143L—Surveying for Petroleum Engineering (3-0)
Principles of surveying instruments; use of tape, level, and plane table outfit; boundary surveys, topographic mapping, and area calculations.
Surveying 216—Plane Surveying (2-12)
Plane-table and transit methods for topographic map production; field problems related to highway surveying; circular and vertical curves; earthwork, volumes and cost estimates; triangulation and base lines.
Surveying 226—Route Surveying (2-12)
Theory and practical application of simple, reverse and compound curves; spirals and earthwork; right-of-way; cross sections; and estimates.
Surveying 233-243—Advanced Surveying (2-12)
Outlining reconnaissance, preliminary, and location of route surveys; computing and staking out simple and compound curves; cross-sectioning; earthwork computations, mass curves; drainage areas, size of drainage structures; topographic mapping; profiles, plans, and calculations of quantities for engineering projects.
Surveying 233L-243L—Dendrology (3-0)
Identification of tree species using leaf, stem and bud characteristics; study of species groups, associations, and tree dtstribution. Preparation and use of identification keys.

Automobile Maintenance

Automobile Maintenance equips students to take jobs in the automobile repair and maintenance industry or to operate their own garages and shops.

Theory and practice in the functions of all parts to familiarize the student with the repair and overhaul of the entire automobile assembly. Fundamentals of the internal combustion engine, electrical data, knowledge of maintenance charts, lubrication and the development of power rating are stressed. The student is also taught spray painting, brazing, welding and the reconditioning of the automotive body.

In the last section of this course an intensive study is made of designs, construction, nomenclature and maintenance of trucks and tractors.

DESCRIPTION OF COURSES

AUTO MECHANICS

Auto Mechanics 126—Engine Theory
Meets 5 hours per week; 18 weeks. The theory and mechanisms of internal combustion engines, close correlation between the actual maintenance and technical information, the theory of combustion mechanisms, assembly, testing equipment, cleaning nomenclature, safety, and the fundamentals of the two and four stroke engines.
Auto Mechanics 129—Engines Laboratory
15 hours per week; 18 weeks. The use and care of hand tools and equipment, testing equipment, disassembling, cleaning, and reassembly of engines, minor repair and maintenance of the different types of internal combustion engines.
Auto Mechanics 113S*—Engine Mathematics
Meets 5 hours per week; 6 weeks. The application of arithmetical computations required to solve problems pertaining to the maintenance and repair of internal combustion engines, ratio and proportion areas, volume, gear trains, pulleys, belts, and strength of materials.

Auto Mechanics 113AS*—Auto Chassis Laboratory

15 hours per week; 6 weeks. An introduction to disassembly of power steering systems, maintenance requirements, and service diagnosis, wheel alignment, wheel balance principles.

Auto Mechanics 123S*—Engine Mathematics

Meets 5 hours per week for 6 weeks. A continuation of Engine Mathematics 113S, review and study of practical equations, formulas, gases, ignition, electric systems, brakes and springs.

Auto Mechanics 123S*—Auto Chassis Laboratory

15 hours per week; 6 weeks, 3 semester hours credit. A continuation of 113AS, and includes practice in disassembly, construction and operation of power brakes. A study is made of construction and operation of autronic eye and automotive air conditioning.

Auto Mechanics 116—Transmissions

Meets 5 hours per week for 18 weeks. A study of types of transmissions, fluid drive units, power flow through transmissions, hydromatic, dyna-flow, hydraulic control circuits and mechanisms for automatic transmissions.

Auto Mechanics 119—Transmissions Laboratory

Meets 15 hours per week for 18 weeks. Laboratory work on hydromatic, dyna-flow or power drive transmission to present general construction details, operating details, assembly and adjustment procedures. A study is made of the flow of power through fluid units and planatary gear sets of automatic transmissions.

Auto Mechanics 216

Meets 5 hours per week for 18 weeks. A review of terms and ratings applied to engines, and a basic concept of horse power. Cut-away engines and parts are used to point out the advantages realized by newer designs. The latest types of engine diagnostic equipment are demonstrated as to their use as instructional tools.

Auto Mechanics 219—Engine Laboratory

Meets 15 hours per week; 18 weeks. A general overhauling of engine blocks, involving valve grinding, valve seating, cylinder boring, piston installation, and a check of work performed with a precision instrument for accuracy specified in the service manual.

Auto Mechanics 213S*—Tune-Ups

Meets 5 hours per week for 6 weeks. The theory, function and nomenclature of the electrical, fuel and carburetion systems. Introduction to scientific automotive testing equipment.

Auto Mechanics 213AS*—Auto Tune Up Laboratory

Meets 15 hours per week for 6 weeks. Methods of using and caring for testing equipment. Use of equipment in engine diagnosis. Modern testing equipment is used.

Auto Mechanics 223S*—Fuel and Ignition Systems

Meets 5 hours per week; 6 weeks, A study is made of carburetors, air cleaners, fuel supply systems, control systems. The ignition system includes a study of condensers, ignition coil and switches, distributors and spark plugs.

Auto Mechanics 223AS*—Automotive Laboratory

Meets 15 hours per week for 6 weeks. Fuel and ignition systems. This course consists of the installation and adjustment of carburetors, removing and replacement of air cleaners, overhauling, repairing and testing fuel pumps, adjusting and controlling throttles, spark controls and servicing starter control relays.

---

*The letter S in the course number indicates a six weeks term.

Auto Mechanics 226—Motors, Generators, Electrical Systems

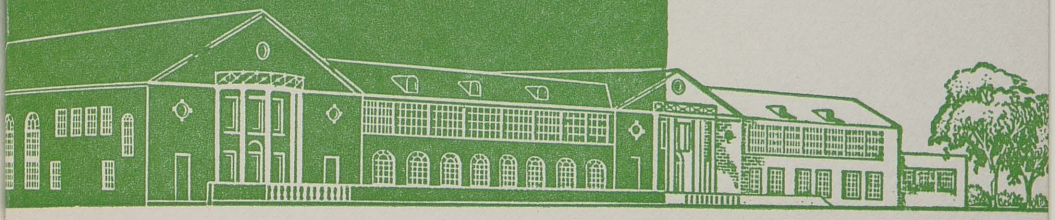
Meets 5 hours per week; 18 weeks. Explanation and demonstration of the operating principles of starting motors, generators and controls, lighting systems and battery. Checking fields, armature and brush holders. Testing of relays and batteries.

Auto Mechanics 229

Meets 15 hours per week; 18 weeks. The installation of starting motors, repair and replacement of bendix assemblies, turning down and under-cutting commutators, repairing and replacing battery indicators, repairing wiring and locating shorts or open circuits. Testing ignition units with electric analyzer.

TYLER JUNIOR COLLEGE

TYLER
TEXAS



TEXAS EASTERN SCHOOL of MUSIC

OF

The Tyler Junior College

TYLER, TEXAS

TEXAS EASTERN SCHOOL OF MUSIC

OF

TYLER JUNIOR COLLEGE

•

Fully Approved by the

Texas Association of Music Schools

•

ADMINISTRATIVE OFFICERS

Harry E. Jenkins ..... President

Edward M. Potter ..... Dean

Joseph Kirshbaum ..... Director, School of Music
Conductor, East Texas Regional Symphony

Edwin Fowler ..... Registrar

R. H. Barrett ..... Business Manager

•

FACULTY

Edwin Fowler ..... Clarinet

Lawrence Birdsong ..... Organ

Gertrude Kirshbaum ..... Harp

Joseph Kirshbaum ..... Theory, Violin

John R. Hunter ..... Choral Music, Voice

Paul Cox ..... Trumpet, Other brass instruments

Oscar Ziegler ..... Piano

Pinckney Nance Ferrell ..... Piano

TEXAS EASTERN SCHOOL OF MUSIC

OF

TYLER JUNIOR COLLEGE

•

The School of Music offers instruction in music for students who:

(1) Plan to pursue a professional career in music.

(2) Desire a cultural background in music.

Music courses include individual lessons in Applied Music, class work in Theory and Music Literature and ensemble training in musical organizations. The work is designed to meet requirements of standard four-year music curricula.

The Texas Eastern School of Music is fully approved and accredited by the Texas Association of Music Schools, holding full membership in that association. This assures the acceptance at full value of credit earned.

CURRICULUM FOR MUSIC MAJORS

BACHELOR OF MUSIC DEGREE

Freshman Year		Sophomore Year	
Music 113T, 123T	6 hours	Music 213T, 223T	6 hours
Music 113L, 123L	6 hours	Music 212T, 222T	4 hours
Applied Music	8 hours	Applied Music	8 hours
Musical Organizations	2 hours	Musical Organizations	2 hours
English 113, 123	6 hours	English 213, 223	6 hours
Electives *	6 hours	Elective *	6 hours
	Total 34 hours		Total 32 hours

General Information

Music majors who have had no previous training in piano are required to take sufficient instruction to pass a proficiency examination in piano.

All music majors are required to participate in at least one musical organization.

Attendance of music majors is expected at all concerts sponsored by the School of Music.

Ample opportunity is provided for individual student performance through both studio and public recitals.

Students are encouraged to use special music library materials which include numerous books, reference works, periodicals, music scores and a record collection embracing examples of all styles and forms of music.

Regular students (full time) majoring in fields other than music may enroll in music courses for which they are qualified.

Special students (part time) may enroll for Applied Music or other courses in the School of Music.

*Students desiring to earn an Associate in Arts degree from this college or a Bachelors degree from a state supported institution should elect six hours of American History and 6 hours of Government.

Music Tuition Per Semester

Individual Lessons:

	Regular Students Who Enroll for 12 Sem. Hours or More		Special Students Who Enroll for Music Only	
	One 30- Min. Lesson Per Week	Two 30-Min. Lessons Per Week	One 30-Min. Lesson Per Week	Two 30-Min. Lessons Per Week
Piano	$54.00	$75.00	$72.00*	$126.00*
Voice	54.00	75.00	72.00*	126.00*
Violin, Violincello	54.00	75.00	72.00*	126.00*
Harp	54.00	75.00	72.00*	126.00*
Clarinet	54.00	75.00	72.00*	126.00*

Piano Pedagogy (One two-hour session per week) $30.00

Voice Diction (One hour per week) 18.00

Practice Room (Four hours per week) 4.00

*Includes $17.50 tuition plus special music fee.

Preparatory work in Applied Music is offered for beginning students and for students not sufficiently advanced to meet requirements for music major courses. College level students enrolling in preparatory courses may receive credit as follows:

(1) One hour credit; one half-hour lesson, 6 hours practice weekly.

(2) Two hours credit; two half-hour lessons, 10 hours practice weekly.

College Level Credit

The amount of credit is dependent upon the amount of laboratory hours per week decided upon at registration.

Credit in Strings, Woodwinds, Piano and Brasses

One semester hour credit—requires six hours laboratory per week.

Two semester hours credit requires ten hours laboratory per week.

Three semester hours credit requires thirteen hours laboratory per week.

Four semester hours credit requires sixteen hours laboratory per week.

CREDIT IN VOICE

One semester hour credit requires six hours of laboratory per week.

Two semester hours credit requires nine hours of laboratory per week.

Three semester hours credit requires twelve hours of laboratory per week.

Musical Organizations

All students are eligible to audition for membership in the various musical organizations sponsored by the School of Music.

Special Regulations

Regular and punctual attendance is required at all class sessions, musical organization rehearsals, individual lessons and other services for which the student has registered. Absences will not be excused for any reason other than illness. Unexcused absences will lower the final grade in the course concerned.

Individual lessons will not be made up in the case of unexcused absences. Students who must miss a lesson because of illness are required to notify their instructors at least one hour before the scheduled lesson in order to ask for a make-up lesson.

Students electing applied music courses for credit are required to fill out a repertoire sheet and to perform for a faculty committee each semester.

Applied music students shall consult with their instructors before participating in any public performance.

COURSE DESCRIPTIONS

APPLIED MUSIC

Music 111PP, 121PP, 211PP, 221PP—Preparatory Piano

Elements of piano-forte playing; instruction material and exercises according to individual needs; from simple forms of scales and arpeggios; selected compositions from Bach, Beethoven, Clementi, Handel, Haydn, Kuhlau, Mozart, Schumann and others.

Admission by examination.

Music 114P, 124P—Freshman Piano

Major and minor scales and arpeggios studies from Cramer, Czerny; Bach. Three Part Inventions, French Suites, Mozart; Beethoven sonatas of moderate difficulty; suitable selections from Chopin, other composers of the romantic school.

Admission by examination. Two half-hour lessons and 16 hours minimum practice weekly.

Music 214P, 224P—Sophomore Piano

Major and minor scales and arpeggios in all forms and rhythms; studies from Clementi, Czerny, Phillip, Bach, Well-tempered Clavichord, English Suites; Beethoven sonatas, Op 2, Op. 10, Op. 26; allegro movement of a concerto; selected compositions from Chopin, Debussy, Mendelssohn, Schubert, etc.

Prerequisite Completion of Freshman Piano or equivalent. Two half-hour lessons and 16 hours minimum practice weekly.

Music 314P, 324P—Advanced Piano

Major and minor scales in parallel and contrary motion, octaves, tenths, sixths, and double-thirds; all forms of broken chords; Bach Preludes and Fugues; Beethoven Sonatas, suitable concertos and concert repertoire; student required to play half-hour recital.

Prerequisite: Completion of Sophomore Piano or its equivalent. Two half-hour lessons and 18 hours minimum practice.

Music 312P, 322P—Piano Pedagogy

A comparative study of various instructional methods and materials; analysis of teaching problems dealing with technique, repertoire, interpretation; practical demonstrations.

Prerequisite: Completion of Sophomore Piano or its equivalent. One two-hour session per week.

Music 111PVc, 121PVc, 211PVc, 221Pvc—Preparatory Violoncello

Establishment of position; selected studies from Dotzauer, Grutzmacher, and others; appropriate solos.

Admission by examination.

Music 111PBv, 121PBv, 211PBv, 221PBv—Preparatory Bass Viol

Establishment of position; studies from Simandl, Book I; scales and bowing exercises.

Admission by examination.

Music 111PH, 121PH, 211PH, 221PH—Preparatory Harp

Development of basic position; the principles of pedaling; coordination of hand and foot action; Salzedo, Method for the Harp, Tiny Tales (Series I and II), Short Stories (Volume I and II); pieces by Bach, Rameau, Schumann, Thomas and others.

Admission by examination.

Music 111PVi, 121PVi, 112 PVi, 122 PVi, 212PVi, 222PVi—Preparatory Violin

Principles and establishments of good position; simple scales and arpeggios; exercises from Auer, Kayser, Laoureaux, Sevcik, Wohlfhart; suitable selections from Bach, Beethoven, Corelli, Faure, Handel, Mozart, Vivaldi, and others.

Admission by examination.

FRESHMAN STRINGS

Music 114Vi, 124Vi—Freshman Violin
Music 114Vc, 124Vc—Freshman Violoncello
Music 114BV, 124BV—Freshman Bass Viol
Music 114H, 124H—Freshman Harp

All forms of scales and arpeggios in extended range. Selected study material emphasizing various legato and staccato styles; selected solos from the classic and romantic schools of composition. Admission by examination.

SOPHOMORE STRINGS

Music 214Vi, 224Vi—Sophomore Violin
Music 214Vc, 224Vc—Sophomore Violoncello
Music 214BV, 224BV—Sophomore Bass Viol
Music 214H, 224H—Sophomore Harp

Three and four octave scales and arpeggios in various rhythms; selected advanced study material; suitable solos from classic, romantic and contemporary composers including works in the larger forms; ensemble literature.

Prerequisite: Completion of freshman strings or its equivalent.

Music 314Vi, 324Vi—Advanced Violin

Study material from Dont. Op. 35, Flesch, Rovelli and Sevcik; selected compositions in all forms by Bach, Beethoven, Brahms, Bruch, Franck, Mendelssohn, Saint-Saens, Wieniawski, and others; students required to play half-hour recital.

Prerequisite; Completion of Sophomore Violin or its equivalent. Two half-hour lessons and 16 hours minimum practice weekly.

VOICE

Music 113Vo, 123 Vo—Freshman Voice

Elements of vocal culture—breath control, voice production, pure vowels, consonants; scales and arpeggios; vocalises—Concone, Panofka, Vaccai; the simpler songs in English and Italian.

Admission by examination.

Music 111D, 121D—Voice Diction

Systematic presentation of the fundamentals of pronunciation and sound production to further the singing of text with clarity and ease in German and Italian.

Admission by examination. Required of all voice majors. One hour per week.

Music 213Vo, 223Vo—Sophomore Voice

Technical development—the sustained tone of the old Italian bel canto, roulades, runs and trills; the simple opera and oratorio arias of Gluck, Handel, Mozart, Scarlatti; beginnings of German Lieder, English and American songs.

Prerequisite: Completion of Freshman Voice or equivalent.

Music 211D, 221D—Advanced Voice Diction

Continuation of Music 121D; practical application in advanced song, oratorio and opera, including French and English.

Prerequisite: Music 121D. Required of all voice majors. One hour per week.

ORGAN

Music 114Or, 124Or—Freshman Organ

Studies—Gleason, Method of Organ Playing; Dickison, The Art and Technique of Organ Playing; Nilsen, Pedal Studies; compositions—Bach, Eight Little Preludes and Fugues; Guilmant, Sonata in C; others.

Prerequisite: Music 212P or its equivalent. Two half-hour lessons and 16 hours minimum practice weekly.

Music 214Or, 224Or—Sophomore Organ

Continuation of studies from Gleason, Dickison, Nilsen; Carl, Master Studies for Organ; compositions by Bach, Mendelssohn, Widor, and others.

Prerequisite: Music 124Or or its equivalent. Two half-hour lessons and 16 hours minimum practice weekly.

WOODWINDS

Music 112C, 122C, 212C, 222C—Preparatory Clarinet

Principles of posture, embouchure, articulation; elementary scales and arpeggios; graded studies and duets; selected simple pieces.

Admission by examination.

Music 114C, 124C—Freshman Clarinet

Etudes by Klose and Lazarus; major and minor scales, solos, and duets.

Admission by examination. Two half-hour lessons and 16 hours minimum practice weekly.

Music 214C, 224C—Sophomore Clarinet

Etudes by Langenus, Lazarus, Rose, and Voxman; major and minor scales, orchestral studies; transpositions; solo and ensemble literature.

Prerequisite: Completion of Freshman Clarinet or equivalent. Two half-hour lessons and 16 hours minimum practice weekly.

Music 112S, 122S—Freshman Saxophone

Chromatic scales, all major and minor scales and arpeggios. Studies equivalent to Calliet Method, Book II; Rubank, Selected Studies, Klose-Derigny. Complete Method. Representative Solos.

Prerequisite: Admission by examination. Two half-hour lessons and 10 hours minimum practice weekly.

Music 212S, 222S—Sophomore Saxophone

Chromatic scales, all major and minor scales and arpeggios. Studies equivalent to Ferling, 48 Etudes; Rubank, Selected Studies; Klose-Derigny, Complete method. Representative Solos.

Prerequisite: Music 122S or the equivalent. Two half-hour lessons and 10 hours minimum practice weekly.

BRASS INSTRUMENTS

Music 111PTb, 121PTb, 211PTb, 221PTb—Preparatory Trombone

Music 111PTp, 121PTp, 211PTp, 221Ptp—Preparatory Trumpet

Music 111PTu, 121PTu, 211PTu, 221PTu—Preparatory Tuba

Principles of tone production, formation of embouchure, basic articulations; selected studies and solos.

Admission by examination.

Music 114Tb, 124Tb—Freshman Trombone

Music 114Tp, 124Tp—Freshman Trumpet

Music 114Tu, 124Tu—Freshman Tuba

Major, minor and chromatic scales; extended arpeggios; selected studies, solos and duets; principles of phrasing and dynamic control.

Admission by examination.

Music 214Tb, 224Tb—Sophomore Trombone

Music 214Tp, 224Tp—Sophomore Trumpet

Music 214Tu, 224Tu—Sophomore Tuba

All forms of scales and arpeggios in extended register with various articulations; selected advanced study material; representative solos including a sonata or concerto; duets, band and orchestra literature.

Prerequisite: Completion of freshman brass or its equivalent.

THEORY OF MUSIC

Music 113L-123L—Introduction to Music (2-3)

A general survey of the development of the art of music designed to provide a basic understanding of the principal periods and styles of music literature: origins, folk music, plainsong, vocal and instrumental form, elementary acoustics, biographical sketches and bibliography.

No prerequisite; open to non-music majors. Required of music majors.

Music 113T-123T—Elementary Harmony (3-2)

The study of chord building and chord connection including practice in ear training and keyboard harmony; triads and their inversions, cadences, modulations to related keys, simple non-harmonic tones, seventh chords, original part-writing exercises, melodic and harmonic diction, sight-seeing.

Prerequisite: Ability to read simple music notation. Required of music majors. Chorus is required of all elementary harmony enrollees.

Music 212T, 222T—Diction and Sight Singing (2-1)

Melodic rhythmic, harmonic, and contrapuntal diction; sight-singing, including the clefs, and simple modulation. Music 213T, 223T must be taken concurrently. Prerequisite: Music 123T. Required of music majors.

Music 213T, 223T—Advanced Harmony (3-2)

A further study of harmony and an introduction to counterpoint; the ninth, eleventh and thirteenth chords, chromatically altered chords, modulation to distant keys, the decorative material of harmony; a survey of the five species. Music 212T, 222T must be taken concurrently.

Prerequisite: Music 123T. Required of music majors. Chorus is required of all advanced harmony enrollees.

Music 313T, 323T—Composition (3-0)

The development of creative ability in musical composition; analysis and written work in strict and free styles, simple two and three part forms, the variation form. Instruction according to individual needs.

Prerequisite: Music 223T or its equivalent.

Music 312T, 322T—Counterpoint (2-0)

Contrapuntal studies based on the practices of eighteenth century composers; two and three-part inventions, fugues, canons, double counterpoint.

Prerequisite: Music 223T or its equivalent.

MUSICAL ORGANIZATIONS

BAND

Music 111B, 121B
Music 211B, 221B

The official Apache Band, open to any student who has had suitable training. Three hours per week.

CHORUS

Music 111Ch, 121Ch
Music 211Ch, 221 Ch

A chorus in choral singing organized for the purpose of becoming familiar with the more important works of vocal ensemble. Open to all students by audition. Three hours per week.

SYMPHONY ORCHESTRA

Music 113O, 123O
Music 213O, 223O

Open to advanced instrumental students. Members are given practical training in professional orchestral routine in the East Texas Symphony Orchestra.

Admission by audition. Four hours per week.

Music 211CM, 221CM—Chamber Music

Qualified students are encouraged to become intimately acquainted with the master works of chamber music. Small groups are formed to study the standard literature for various combinations ranging from duos to octets. Admission by audition. Two hours per week.

HARP ENSEMBLE

Music 111HE, 121HE
Music 211HE, 221HE

Designed to increase reading proficiency and to further musicianship through group performance; this course is required of all music majors specializing in Harp. Open to others by audition. Two hours per week.

INDEX

INDEX